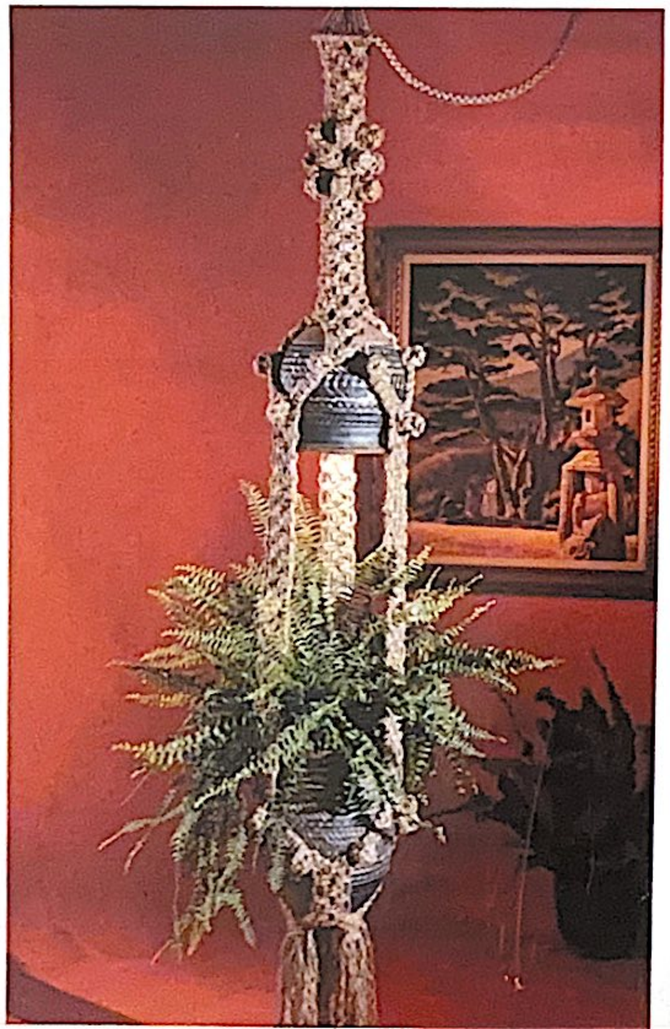
HP-452

MORE MACRAME'

by Lynn Paulin

All new
step by step
patterns in
full color for
PLANT HANGERS
WALL HANGINGS
CURTAINS
LIGHT FIXTURES
& CHAIR SEATS



MORE MACRAME'

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Author

As well as being a successful freelance art director and technical writer, Lynn Paulin, is the owner of a commercial art agency in Whittier, California. She has been both author and designer of over two dozen art and craft books, eight of which are listed on the back cover of this publication. Ms. Paulin studied at Layton School of Art in Milwaukee, Wisconsin, and also at Chouinard Art Institute of Los Angeles.

My sincerest thanks to Randy Paulin for his delightfully unusual Butterfly Hanger as well as the handsome lawn and sand chairs and to Elizabeth Turner for her decorative window valance . . . also to Margaret Asher and Randy Paulin for their many hours of invaluable help in the production of this publication.

Foreword

Those of you who are finally going to try your hand at Macramé will find in this latest publication by Lynn Paulin, an accumulation of easy to do and practical projects which were designed especially with you in mind.

The experienced Macramé enthusiast will discover in "More Macramé" stimulating new ideas with emphasis on good visual step by step instructions.

It is a fact that most Macramé projects appear to be more complicated than they are. Macramé is actually one of the easiest art forms to learn which probably accounts for its ever growing popularity.

As always, our primary concern is to give you the best possible instructions for projects that you will find both fun to do and exciting to "show off".

James E. Gick

Photography by Bill Holloway

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A few important words about cord and other supplies for Macramé

The most significant difference I find in Macramé today as opposed to a few years ago, is the easy availability of cord, beads and other miscellaneous supplies.

Jute, Cotton Cable and Sisal are still the most frequently used cords, however, the newer synthetic cords are gaining in popularity . . . especially by those who desire a more formal look. These synthetic cords have the advantage of a wide variety of colors and are, along with Cotton Cable Cord, more uniform in thickness and in quality than Jute.

Jute, while retaining its place at the top of the list . . . still comes in a maddening variety of thicknesses and grades. There seems to be no rigid standard for either quality or thickness, so . . . when buying Jute . . . make sure to inspect a few feet to see if it is reasonably smooth and evenly woven. Some Jute varies from thick to thin along the strand and has a tendency to fray. This type of Jute is hard to work with and knotting will be uneven.

By indicating the thickness and/or the approximate diameter of the Jute as well as the other cord used in projects in this book, I hope to make the selection of cord easier. When a project calls for ¼" thick Jute, you may, of course, substitute any other type of cord that is ¼" thick.

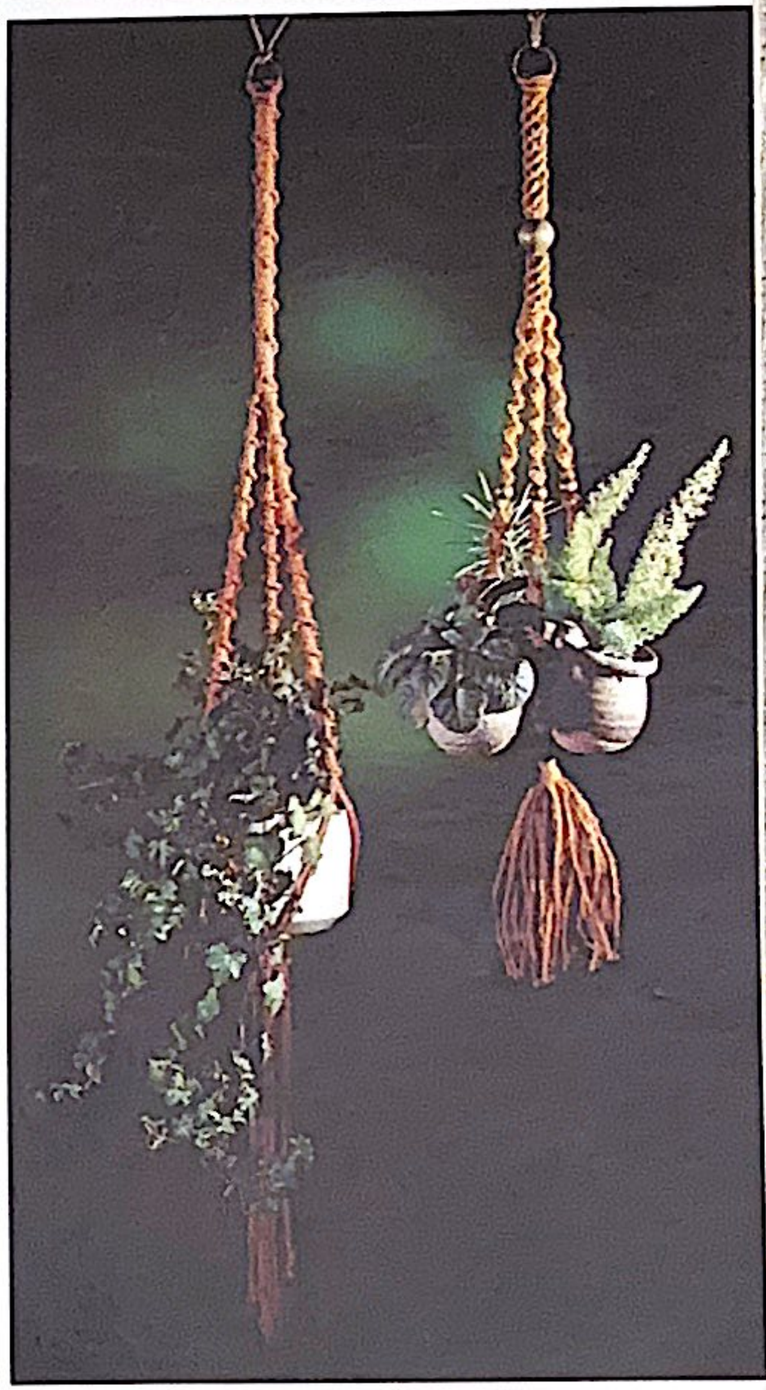
For example: ¼" thick Cotton Cable, Sisal, Polyester or synthetic cord may be substituted for ¼" Jute. The main thing to remember when buying cord for Macramé is to choose a cord with the least amount of stretch and one that will not be too stiff to work with.

Be sure that the rings you select for the top of plant hangers are sturdy and will support the weight of the pot.

Beads should have holes large enough to accommodate at least 2 cords.

One other important factor to be aware of, is the total weight of your finished hanger including the potted plant. A toggle bolt in a plaster ceiling may not support heavy planters such as the Lighted Plant Hanger on page 19. In this case, it would be advisable to screw the hook directly into a beam.

IMPORTANT: All projects in this book call for a certain type of cord and state how long to cut each piece. The length a cord is cut can vary if you use a thicker or thinner cord. I have tried, in all cases, to give you a little more cord then necessary. I feel it is better to have slightly more cord than to end up with too little. Any extra cord can be used for tassels. If you decide to use a different thickness or kind of cord, check the chart on the back cover.



Patio Plant Hangers, page 16.

Practice Project

This easy to make and inexpensive plant hanger has proven to be a perfect practice project for the beginner who wishes to learn the basic knots . . . and at the same time end up with a useful and decorative item which will show off his or her newly acquired skill.

The hanger takes only one ball (54 yds.) of medium thick Jute (3/16″). . six 2" beads . . ten 1/2" beads and one 1" bead. You will also need a 5" wooden ring (a metal ring could be substituted) . . . four 10" dowels or chopsticks . . . and a 6" pot.

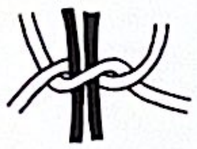
As you can see, we have titled each step so that you will learn to recognize the different knots. Beside each title there is an illustration of the knot and/or the page number where you will find detailed instructions for making the knot. These instructions are, in most cases, at the back of the book.

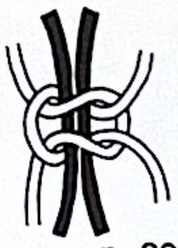
1. To cover a ring with cord, first wind a 6 yard long cord into a bundle as described on page 28. Next, place a small amount of white glue on the ring. Place the end of the cord on top of the glue and hold it in place with tape. Wrap the cord tightly around the ring adding more glue as you go. Be sure to keep the glue off the top side of the cord. **Note: If you are using a metal ring, follow the same instructions but use a clothespin or Alligator Clip instead of tape to hold end of cord in place until glue dries.**

2. Fold the six 8 yard cords in half and mount them to the covered ring with Lark's Head Knots. Detailed instructions for making a Lark's Head Knot can be found on page 28.

3. You now have 12 working ends. Divide the 12 ends into 3 groups with 4 cords in each group. Make 2 Square Knots on each group of 4 cords as shown in photo 3. Instructions for making a Square Knot are on page 29.

p. 28



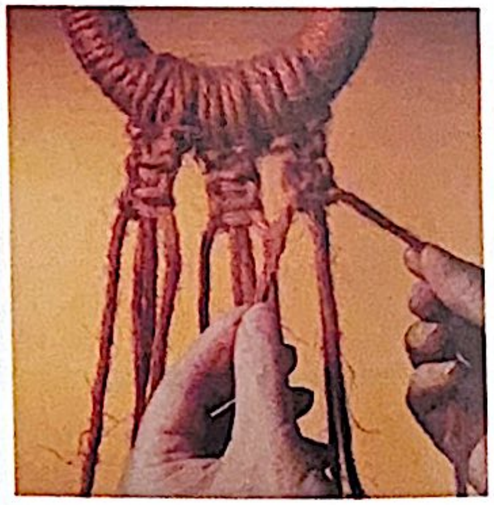


p. 29

1. How To Cover A Ring

2. Lark's Head Knot

3. Square Knot

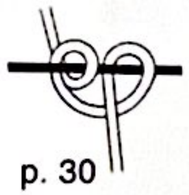


4. Alternating Square Knots

p. 29

4. The Square Knots just made in step 3 will become the first part of the Alternating Square Knot section. To make the second part, leave cords 1 & 2 and 11 & 12 hang free. Make 2 Square Knots on cords 3, 4, 5 & 6 . . . and 2 Square Knots on cords 7, 8, 9 & 10. Under this, make 2 Square Knots on cords 1, 2, 3 & 4 . . . then 2 Square Knots on cords 5, 6, 7 & 8 . . . and on cords 9, 10, 11 & 12. Next, place a 2" bead on the 2 center cords under each Square Knot.

5. Double Half Hitch Knots



p. 30

5. Under the beads, repeat steps 3 and 4 without bead then attach all 12 ends to a dowel or chopstick using Double Half Hitch Knots. Place 2 small beads on the dowel between each group of 4 cords as shown in photo 5.

6. Square Knot Sennit with Picots

p. 29

6. On cords 1, 2, 3 & 4 and cords 9, 10, 11 & 12, make Square Knot Sennits with 8 Square Knots and 2 Picots on each Sennit. Then, make 2 Square Knots on the four center cords . . . place a 2" bead on the 2 center cords . . . and make 2 more Square Knots. Attach all 12 ends to a dowel with Double Half Hitch Knots. Place a small bead between each group of 4 cords.

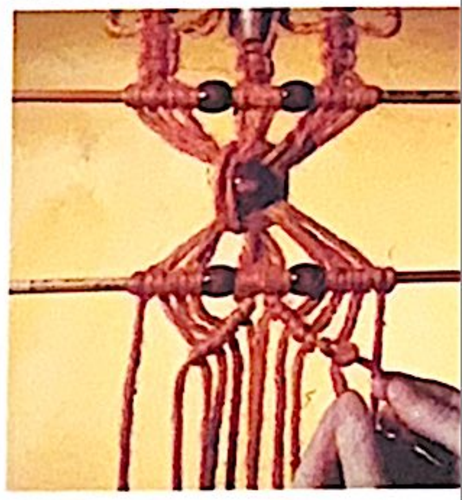
7. Under the dowel make a large Square Knot by knotting the 8 outside cords around the 4 inside cords. Make first half of Square Knot, place a 1" bead on the 4 center cords, then make 2nd half of knot. Attach all 12 ends to a dowel with Double Half Hitch Knots and place a small bead between each group of 4 cords. Leave cords 1 & 12 hang free and make Diagonal Double Half Hitch Knots to the outside by knotting cords 5, 4, 3 & 2 around Cord 6 . . do the same on the right side by knotting cords 8, 9, 10 & 11 around Cord 7. This is the first step of the Berry Knot. (p. 32)

p. 30

8. Finish making Berry Knot on the 10 center cords. On cords 1 & 12, place 2 small and 1 large bead, then attach ends to a dowel with Double Half Hitch Knots. Divide cords into 3 groups with 4 cords in each group and make 3 Half Knot Twist Sennits with 40 knots in each.

9. To make a sling for the pot, drop 3", then bring 2 cords from each Sennit together and make 3 Square Knots. Drop 2" and make 3 Alternating Square Knots. Finally, bring all the cords together under the pot with a Gathering Knot.

7. Diagonal Double Half Hitch Knots

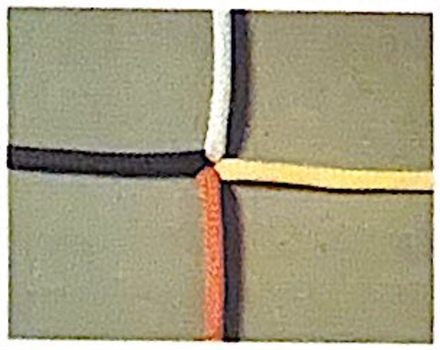


8. Berry Knot (page 32)

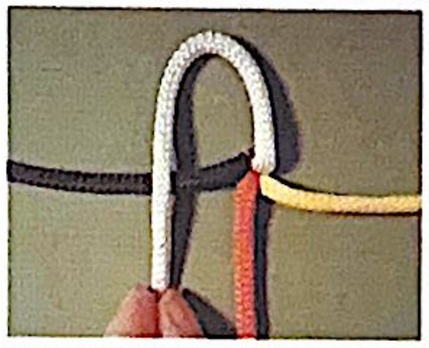
9. Sling and Gathering Knot (page 31)

The Lanyard Knot (Chinese Crown Knot)

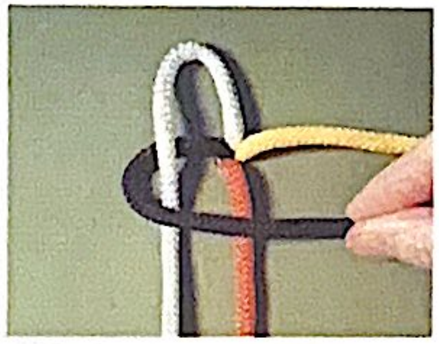
A Lanyard Knot can be made with 1, 2, 3 or more cords in each of the 4 groups and/or into a Sennit as shown on page 5.



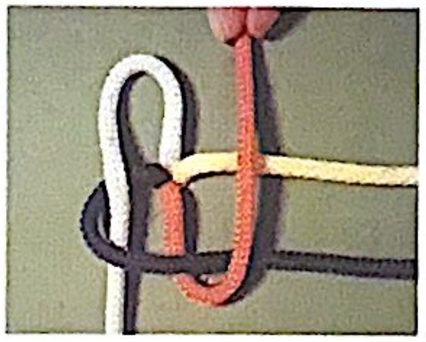
1. Place cords (or groups of cords) at right angles to each other.



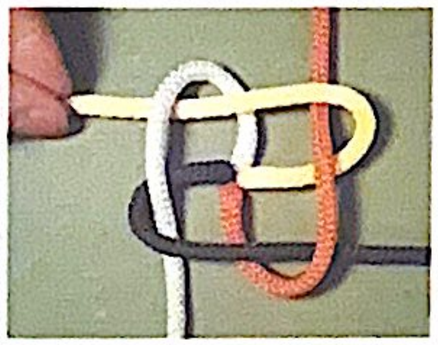
2. Place the top white cord over the blue cord as shown.



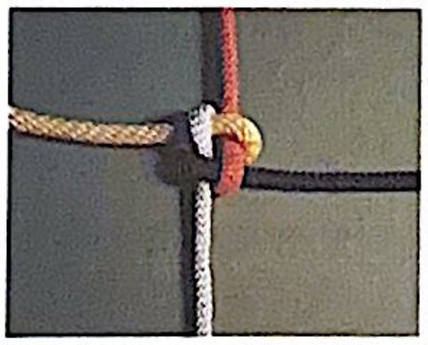
3. Leave a loop in the white cord, then bring the blue cord over the white and orange cords.



4. Next, bring the orange cord up and over the blue and yellow cords.



5. Pick up the yellow cord . .·. place it over the orange, then thru the loop in the white cord.



6. Here you see the finished knot. **To make a Lanyard Knot Sennit,** simply repeat steps 2 thru 5 starting with the cord now at the top.

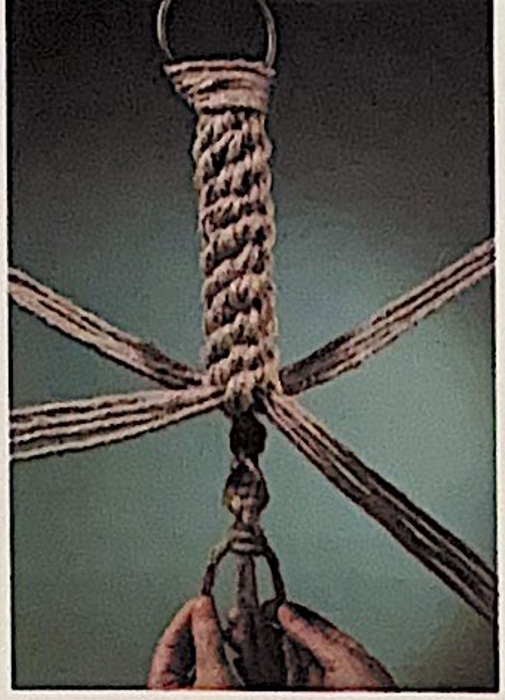
Lanyard Knot & Half Knot Twist Hanger

Finished Length: 6-½ feet
Supplies: 121 yards of Thick (¼") Jute . . . a 3" or 4" ring
Three 1-½" beads . . one 10" pot
Four ceramic bells, beads or other ornaments
Four 9" and four 15" wires

Step One: Cut 4 cords 15 yards long and 4 cords 12-½ yards long. **Mark ends to identify the short cords from the long cords. The shorter ends must be used as the center cords in the Half Knot Twist Sennits.** Fold all 8 cords in half and place thru the 4" ring. Next cut 2 cords 5 yards long. Fold these cords in half and place them thru the 4" ring along with the 8 longer cords. These cords will run thru the center of the Lanyard Knot and be used as shown in photo 4.

2. Make one large Lark's Head Knot using all the cords (see instructions on page 28). Separate the 16 longer ends into 4 groups with 4 cords (two 15 yd. cords and two 12-½ yd. cords) in each group. Bundle the 4 shortest ends (from 5 yd. cords) together so they will not be confused with the 16 longer cords.

3. Make a Lanyard Knot following directions at the left of this page. The only difference is that you will use 4 cords in each of the 4 groups instead of just 1 cord. This knot will be easier to make if you place the cords upside down on your lap with the ring between your knees. After making the 1st complete knot as shown above . . . continue making Lanyard Knots . . . one on top of another . . . until you have a Sennit with 10 knots.



4. Here you see the completed Lanyard Knot Sennit with 10 knots. Now, release the 4 center cords and make a Half Knot Twist Sennit with 10 knots. If you wish, you may place a bead between the 5th and 6th knot as shown in step 5.

5. With the remaining 16 long ends make 4 Half Knot Twist Sennits 9" long. Make sure you have 2 ends from the 12-½ yd. cords in the center and 2 from the 15 yd. cords on the outside in each Sennit. A 9" wire placed in the center of each group before knotting will help hold the finished Sennits in shape.

6. Bring the ends together and shape the 4 outside Sennits as shown. Tie a cord around all of the ends to hold the Sennits in shape.

The following steps are shown in the photo at the right of this page.

7. Below the first Half Knot Twist Section, make a Lanyard Knot Sennit with 3 complete knots.

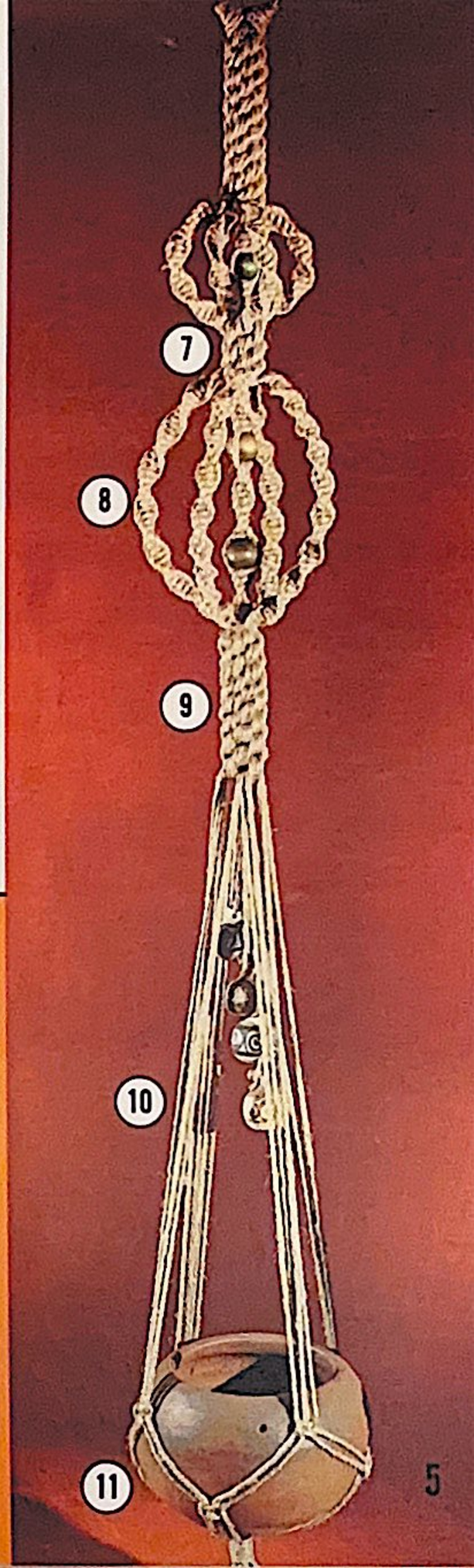
8. On the 4 center cords under the Lanyard Knot Sennit, make a Half Knot Twist with 5 knots. Place a bead on all 4 cords, then make 7 knots . . . a bead . . followed by 5 more knots. **On the 16 outside cords** make 4 Half Knot Twist Sennits (around a 15" wire) with 50 knots in each Sennit. Shape the 4 outside Sennits as shown and tie all ends together with a cord.

9. Now, make another Lanyard Knot Sennit with 8 knots. **Bring the 4 center cords together** with a tight Square Knot then tie ceramic bells, beads or ornaments on the 4 ends.

10. Under the Lanyard Knot Sennit, Drop 28" and make a sling for the pot. First divide the 16 ends into 4 groups with 4 cords in each group then make a Square Knot on each group. Drop 6" and make a row of Alternating Square Knots. (See directions on page 31.)

11. Drop 4" and bring all 16 ends together under the pot with a Gathering Cord following directions on page 31. Trim and unravel ends to make tassel.

Ceramic bells handcrafted
by Michelle and Ray Amsbury



The Spiraling Single Half Hitch Knot

Made by knotting 1 long Knotting Cord around a core of many cords.

1.

2.

3.

4.

1. Leave a 1" tail, then wrap Knotting Cord around core of cords once and over tail as shown.

2. Hold Knotting Cord to the left to form a loop.

3. Hold loop in place as you wrap Knotting Cord around the core . . . then bring end thru loop.

4. Pull end of Knotting Cord to tighten knot. Continue by repeating steps 2, 3 & 4. The spiral is formed by placing each knot slightly to the right of the knot above it. Be sure to keep an even tension or the spiral will not be uniform.

Tassels

1

2

1. Cut a piece of cardboard the length you want the finished tassel to be. Wrap the cord around the cardboard as shown in photo 1. The more times you wrap it around the cardboard, the fuller the tassel will be. Next, tie a cord tightly around the top of the cords to hold them together.

2. Cut cords apart at the bottom, then wrap another cord tightly around all cords starting about 1" from the top as shown in photo 2.

Basket Plant Hanger

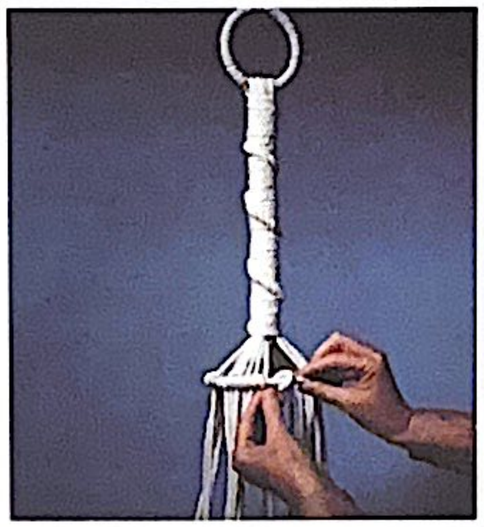
Featuring Spiraling Single Half Hitch Sennits & Berry Knots

Supplies:
One 3" ring & two 6" rings.
A 12" wire basket (available at plant nurseries).
12 large beads (with holes big enough to hold 4 cords).
327 yards of thick 1/4" fluffy white Polyester or other 1/4" cord.

For Top Section and Straps
Cut 15 cords 7 yards long.
Cut 1 Knotting Cord 8 Yds.
Cut 3 Knotting Cords 10 Yds.
Cut a 4 yard Wrapping Cord to cover the two 6" rings.
Cut 3 cords 14 yds. for tassels.

For Basket: Cut 16 cords 3-½ yds. long. These cords will be mounted to center front of wire basket. Cut 41 cords 2 yds. long. These cords will be mounted to wire basket as shown in the diagram on page 9.

Step One:
Cover the 3" ring and the two 6" rings following directions on page 2, step 1. Fold the 15 seven yd. cords in half and place thru the 3" ring. Use an 8 yd. Knotting Cord to make a Spiraling Single Half Hitch Sennit around all 30 ends following directions on page 6.



2. Drop 2" under the Sennit and mount all 30 ends to one of the 6" covered rings using Double Half Hitch knots (p. 30)

3. Separate the 30 cords into 3 groups of 10 cords each. **On each group of 10 cords . .** make 2 Square Knots on the 8 center cords. Under this, make 1 Alternating Square Knot on the 4 center cords (p. 29).

4. Using cord 1 of each group as a Holding Cord, make a row of Diagonal Double Half Hitch Knots to the center with cords 2, 3, 4 and 5 (p. 30).

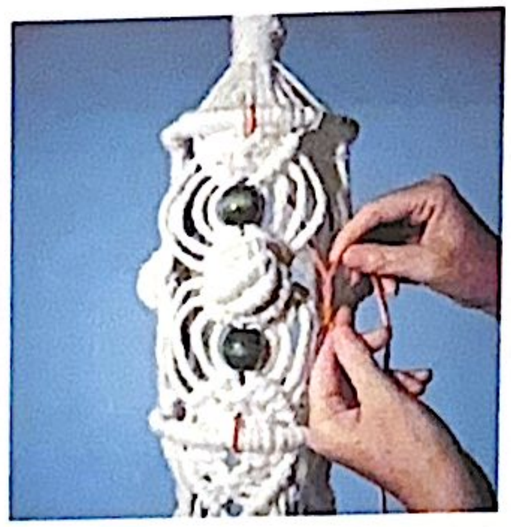
5. Use cord 10 of each group as a Holding Cord and make a row of Diagonal Double Half Hitch Knots with cords 9, 8, 7 & 6. Next, place Holding Cords 1 and 10 (now in the center) thru a bead as shown.

6. Use the 2 cords coming from the bead as Holding Cords to make Diagonal Double Half Hitch Knots from the center to the outside. **This is step 1 of the Berry Knot.**

7. Now, finish making the Berry Knot following directions on page 32, then place the 2 center cords thru a bead. Use these two cords as Holding Cords to make Diagonal Double Half Hitch Knots from the center to the outside.

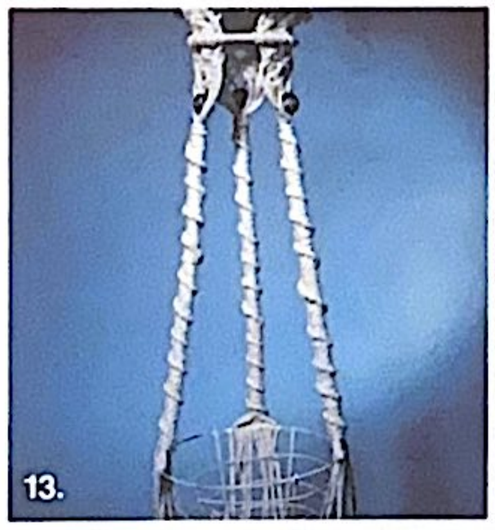
8. Make 1 Square Knot on the 4 center cords. Under this, make 2 Alternating Square Knots on the 8 center cords. Finish all 3 groups to this point, then attach the 30 ends to a 6" covered ring with Double Half Hitch Knots.

9. Under the ring, on each group of 10 cords, make 2 rows of Alternating Square Knots on the 8 center cords. Next, use cords 1 & 10 as Holding Cords and make Diagonal Double Half Hitch Knots to the center. Place a bead on the 2 center cords.



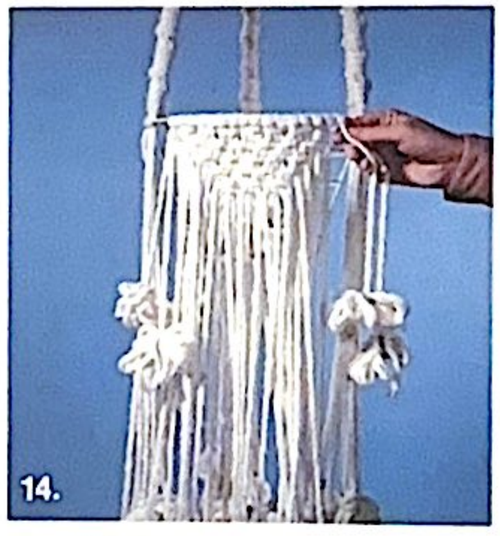
10. To keep the weight of the hanger from stretching this top section out of shape, tie a cord between the 2 rings as shown. Use the same color cord as used in hanger. We used a different color so it could be seen in the photograph.

11. Make 3 tassels as shown on page 6. Cut cardboard 8" long. For each tassel, wrap a 13 yard cord around cardboard 25 times. Tie tassels to top horizontal ring between the 3 sections.



12. Make 3 Spiraling Single Half Hitch Sennits 22" long by knotting a 10 yard cord around each of the 3 groups of 10 cords.

13. Spray a 12" wire basket with white rustproof paint. Attach the 10 ends of each Sennit to the top ring of the basket using Double Half Hitch Knots. Place one Sennit at the center back and one Sennit on each side. The larger space in front will make it easy to remove or rotate plant.



14. Fold the 16 seven yard cords in half and mount to the front of basket with Reverse Lark's Head Knots. These 32 ends make Panel A (See chart p. 9). Let cords 1 & 2 and 31 & 32 hang free. **On the 28 inside cords,** make 5 rows of Alt. Sq. Knots. 7 knots in row 1, 6 in row 2, 5 in row 3, 4 in row 4 and 3 in row 5.

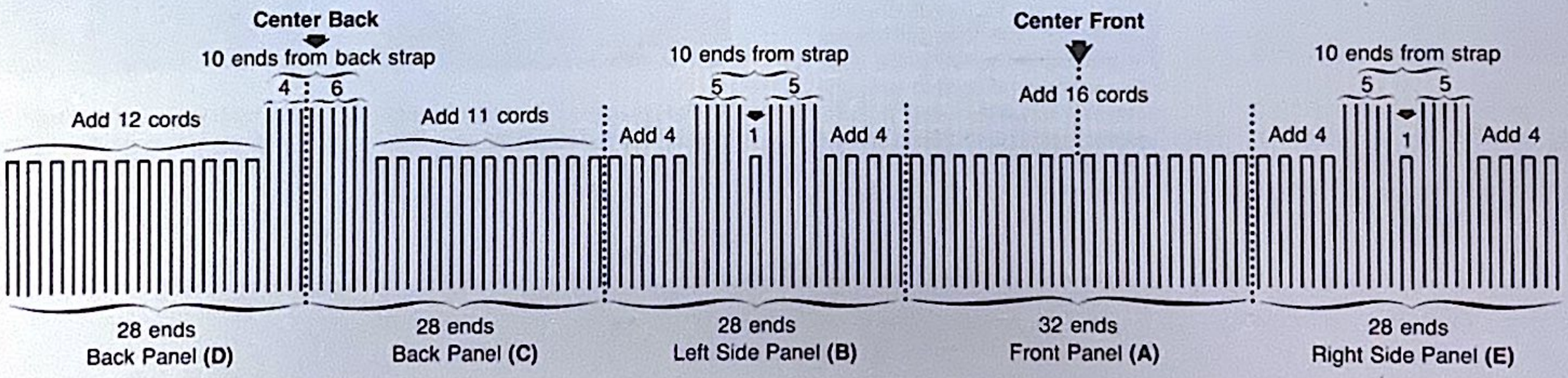
15. On the left, make a double row of Diagonal Double Half Hitch Knots to the center. First knot ends 3 thru 16 around cord 2 . . . then knot the same cords around cord 1. On the right, knot cords 30-17 around cord 31, then cord 32.

16. Place the 4 center cords thru a bead. **The large Berry Knot will be made on the 20 center cords. Tie the 6 outside cords on both sides out of the way.** Make Diagonal Double Half Hitch Knots from the center to the outside. This is step 1 of the Berry Knot (p. 32). **The only difference is, we will double the size of the knot by using 2 cords at a time instead of just one.**

17. Here you see the finished Double Berry Knot. Notice that cords 1-6 and cords 27-32 are hanging free on either side of the Berry Knot. Now place the 4 center cords thru a bead to complete center Panel A.

18. Now, fold the 41 two yard cords in half and mount to the top ring of the basket with Reverse Lark's Head Knots, following the diagram below. The above photo shows the finished Panel B. **The 4 panels B, C, D and E will each have 28 ends. Let cords 1 & 2 and 27 & 28 of each panel hang free.** Make 4 rows of Alternating Square Knots on the **24 center cords** of each panel: 6 knots in the 1st row . . . 5 in the 2nd . . . 4 in the 3rd and 3 in the 4th. Surround the Alternating Square Knots with 2 rows of Double Half Hitch Knots. Use cords 1 & 2 and 27 & 28 as Holding Cords and knot from the outside to the center. Finish by placing a bead on the 4 center cords of each panel, then trim ends of cords.

How To Mount Cords To Wire Basket



Butterfly Wall Hanging

Supplies:
184 yds. Thick (1/4") Jute. 136 yds. Thin (1/8") Jute for wrapping trees and hoop. 25 to 30 yds. of Med. Thick (3/16") nonstretchy type yarn such as used for rugs or for Weaving. We used a 2 ply rayon yarn. You will also need a 3" ring and 22" wood hoop . . . 3 small beads . . . 2 coat hangers . . . feathers . . . Silicone & white glue . . . 2 ft. of soft wire and 12" of springy wire.

Step One:
Wire the 3" ring to the top of the 22" wood hoop. A cord placed thru the ring and attached to a hook in the ceiling or door jamb will keep the hoop in an upright position and allow you to work at any comfortable level.

Cut 46 cords 4 yards long and mount them to the top of the hoop with Reverse Lark's Head Knots (p. 28). You will now have 92 ends. Separate the 92 ends into 3 groups . . . **A, B & C** as shown on the chart below and on page 11. "A" cords make up the 1st tree . . . "B" cords the 2nd tree . . . and "C" cords the 3rd tree. So they will be easily seen in the photographs, we have used different colored cord to wrap the 3 trees, however, only natural colored Jute was used in the finished product.

2. Separate and tie all cords out of the way except those that will be used to make up the first tree ("A" cords on Mounting Chart).

3. Wind about 5 yards of thin Jute into a bundle as shown on page 28. Start 1st tree by wrapping around cords 65-74 evenly and tightly for about 11".

4. Next, wrap cords 89-92 evenly and tightly for about 10".

5. Join the two sections and wrap them together as shown for 2".

CORD MOUNTING DIAGRAM "A" cords — 1st tree . . . "B" cords — 2nd tree . . . and "C" cords — 3rd tree

A B C A B C B A C

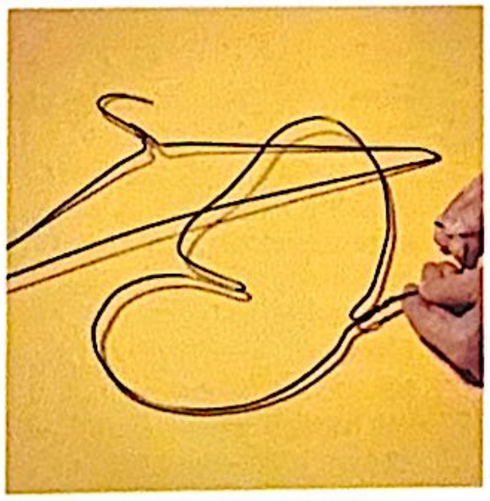
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

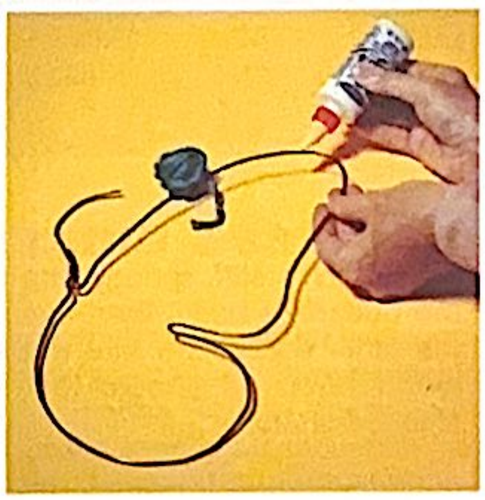
Note: You need not follow exactly the same measurements in making your tree as we have. We give you these figures only as a guide. Please feel free to use your imagination in creating your trees.

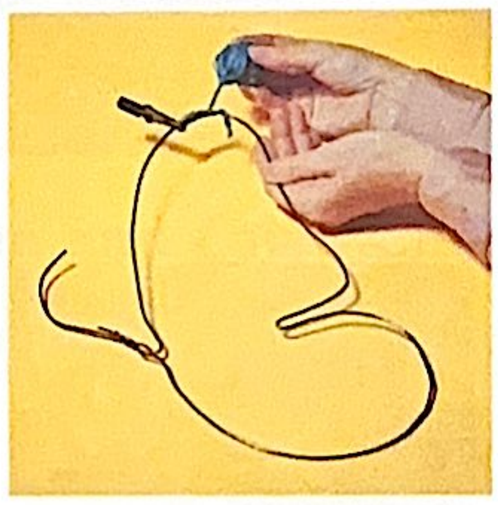
6. Wrap cords 1-12 for 6" and cords 23-26 for 7". Join the ends and wrap them together for 5". Next, wrap cords 41-44 for 14". Join with cords 1-12 & 23-26 and wrap 3". Finally, join and wrap all the ends together to the bottom of the hoop. This is the finished first tree.

7. Using the above photo as a guide, make the 2nd tree with the "B" cords.

8. Here you see the third tree finished. Notice how the branches intertwine. Again, please feel free to change the pattern.







9. Bring the trees together and wrap to the hoop as shown then wrap ends under the hoop for about 6". Now, wrap hoop with thin Jute.

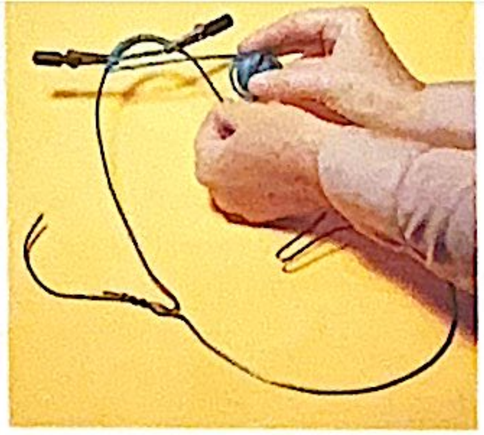
10. To make the butterfly, bend 2 hangers as shown. The hooks of the hangers become part of the body and the antennae.

11. For each wing, roll 12 yards of med. thick (3/16") yarn into a ball, then apply a little white glue sparingly to the top of the hanger.

12. Fold the end of the yarn back 1", then place it over the glued area. Hold it in place with an Alligator Clip or clothespin. Wrap a 2" section going back over the end of the yarn as shown.

C B C A C A

49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92



13. After wrapping the tip of the wing as described in step 12, attach another clip to hold the yarn in place until the glue dries. Next, bring the yarn over to the opposite side and wrap it around the wire 2 times. The above photo shows the yarn being returned to the left where it will again be wrapped around the wire 2 times. **Remember to apply a small amount of white glue to the wire as you work.**

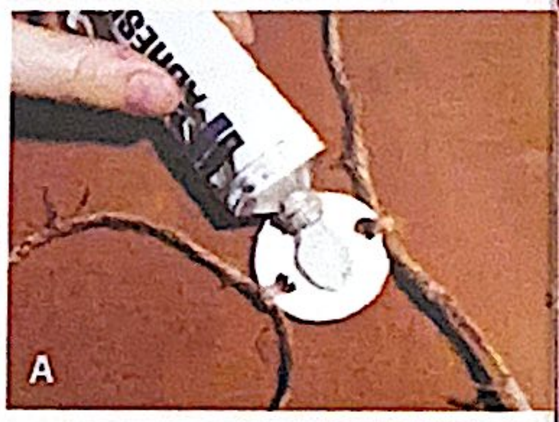
14. Continue crossing the yarn over from one side to the other until you reach the indentation point of the wing and then attach another clip as shown. **Notice in the photo that we have wrapped around the wire at the indentation point several times before crossing over to the opposite side.** After wrapping the entire indentation area, wrap the bottom of the wing in the same manner as the top. Photo 15 shows the finished lower wing.

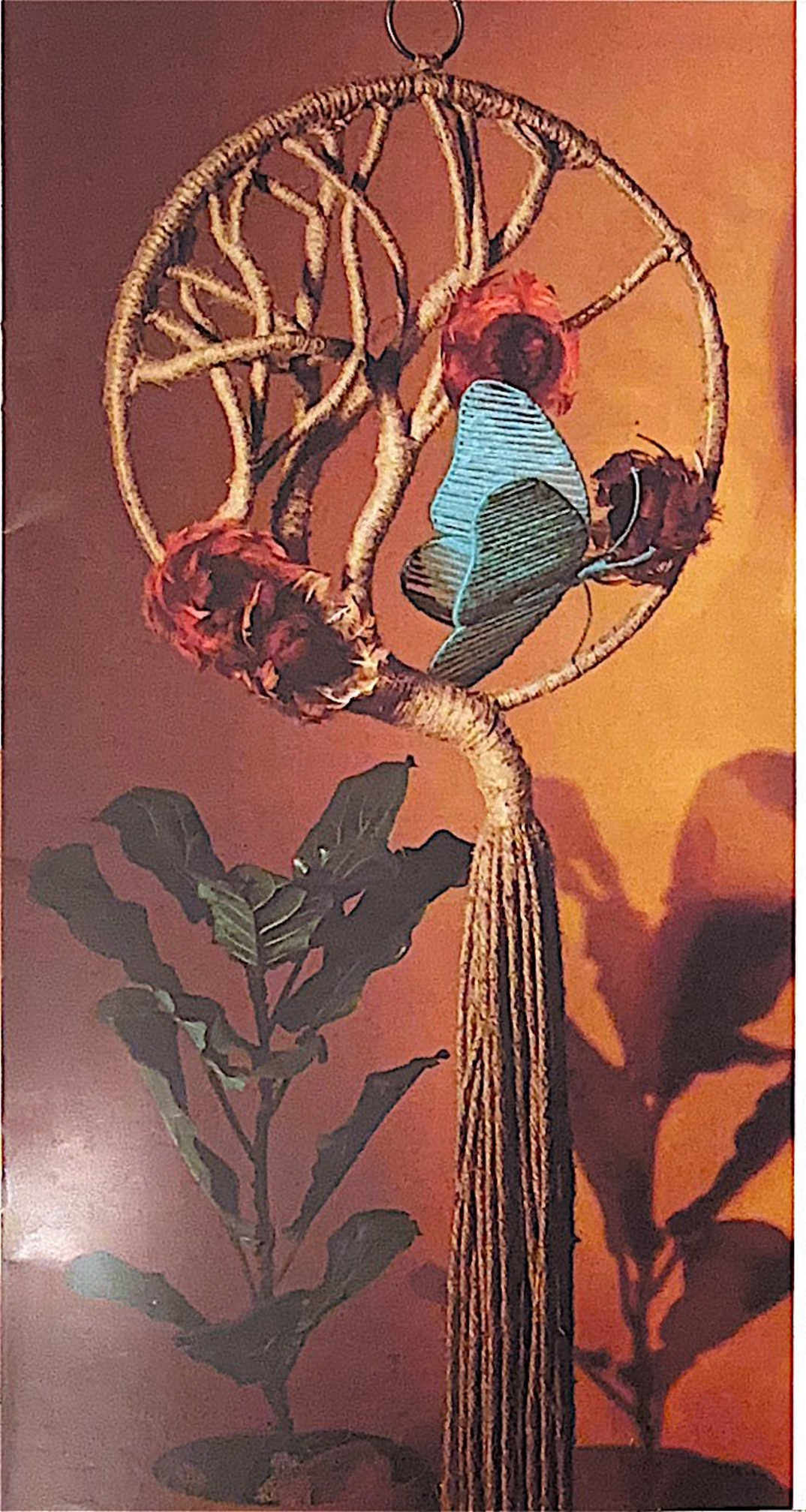
15. Fold an 18" wire to make the 3" body. Hold the 2 wings together. Place the folded wire at the lower end of the hooks allowing part of it to hang below the hooks as shown. Wrap the yarn tightly around the lower part of the hooks and folded wire to hold all pieces together and to form the butterfly's body.

16. Wrap both hooks with yarn to form the antennae. Place a bead on the ends as shown. At the lower edge of the antennae, where the hanger and hooks are joined, you will find 2 short wire ends. Place a bead over the 2 ends to make the butterfly's head.

17. Attach a stiff, springy wire to the butterfly's body, then mount the other end of the wire to the wood hoop as shown in the finished photo.

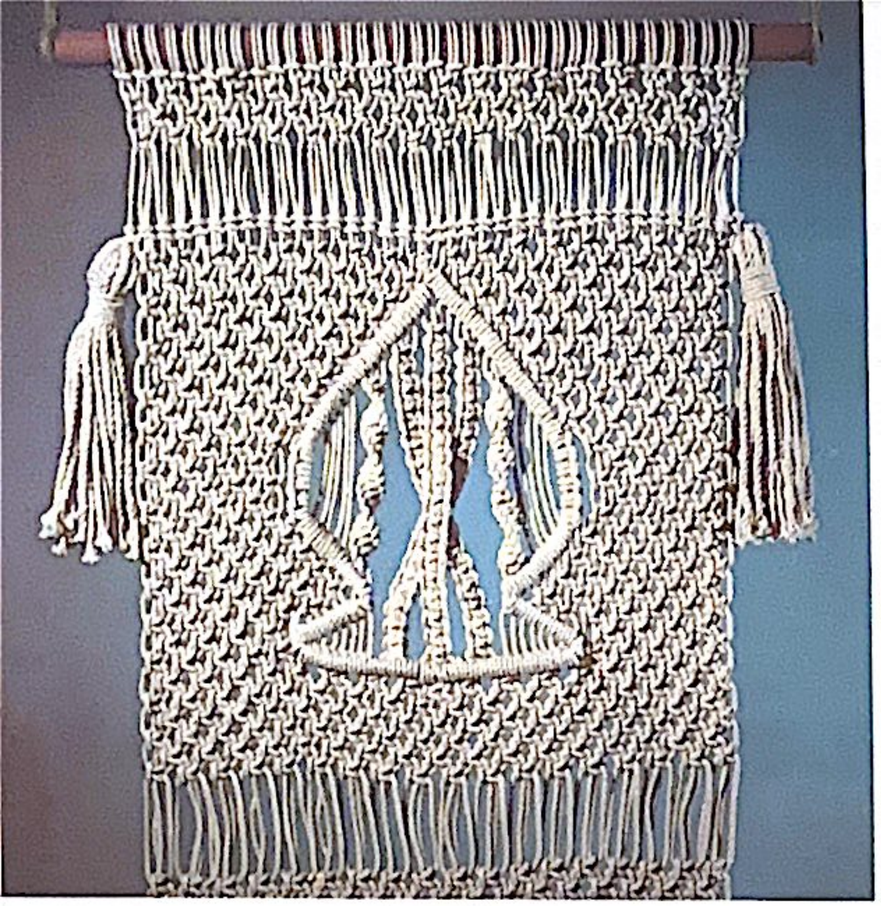
How To Make Feather Flowers: A. Attach two 12" cords to a cardboard disc as shown. Place a large drop of Silicone Adhesive in center. **B.** Drop another cardboard disc over Silicone and insert feathers into the Silicone between the 2 discs. **C.** Place more Silicone on top disc. Arrange feathers as shown. Tie the finished flowers to the hanger with the attached cords as shown in finished photo.





Macramé Seats For Patio and Lawn Chairs

Individual chair seat widths and lengths will differ, however, this pattern is easy to adjust. As you can see, the smaller sand chair shown above starts at the top with a row of Alternating Square Knots and goes directly into the central pattern. The pattern for the patio chair shown on pages 14 & 15 has rows of Alternating Square Knots and Vertical Double Half Hitch Knots above the central pattern. **To adjust width,** simply add or take out cords on each side of the central pattern or use thinner cord. **Length can be adjusted** by adding or leaving out rows of knots above and below the central pattern. **To figure length cords should be cut, measure the length of the original seat and cut cords 7 times that length.** Because of the central pattern, we added 2 extra yds. to the 2 center cords. **The seat of our patio chair** measured 48" long by 16" wide. We cut 34 cords of No. 72 Cotton Seine 9-1/3 yds. long and 2 cords 11-1/3 yds. long. **The seat of the sand chair** measured 32" long and 12" wide. We were able to use the same number of cords by choosing a thinner cord. We cut 34 cords of No. 42 Cotton Seine 6-1/4 yds. long and 2 cords 8-1/4 yds. long.



KNOTTING INSTRUCTIONS
For Sand & Patio Chair (cont. from page 13)

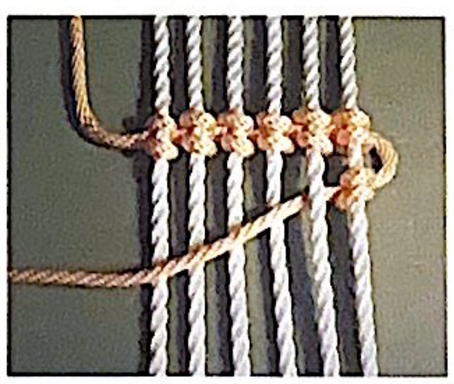
For both the patio chair and the sand chair. . . fold the 36 cords in half and mount to the top bar of the chair with Lark's Head Knots (p. 28). **Mount the 2 longer cords in the center and the 34 shorter cords on each side.**

The above photo shows the knotting pattern for the patio chair. The pattern starts with 3 rows of Alternating Square Knots (p. 29) . . . followed by open space . . . then a row of Vertical Double Half Hitch Knots. Under the Vertical Double Half Hitch. Knots, make a row with 18 Square Knots. **This is row one of the central pattern.** (See diagram at the right and instructions on page 15 to complete these 25 rows.) After completing the central pattern, simply finish knotting down to the bottom with rows of Alternating Square Knots leaving space wherever desired. Tassels were made following instructions on page 6. **The sand chair** shown on pages 13 & 15 starts with row 1 at the top of the central pattern.

THE VERTICAL DOUBLE HALF HITCH KNOT

A. When making a Vertical Double Half Hitch Knot from left to right, place the Knotting Cord **under** the 1st cord to the right . . . then go around the cord and thru the loop.
B. Make the 2nd part of the knot by placing the Knotting Cord over, around, then thru the loop as shown in photo B. Pull tight.
C. Photo C shows a row of knots and the 1st knot in the second row finished.
D. When working from right to left, place the cord **under** the cord to the **left,** then around the cord and thru the loop. Make the 2nd half of the knot by going over the cord to the right . . . around . . . then thru the loop as shown in photo D.

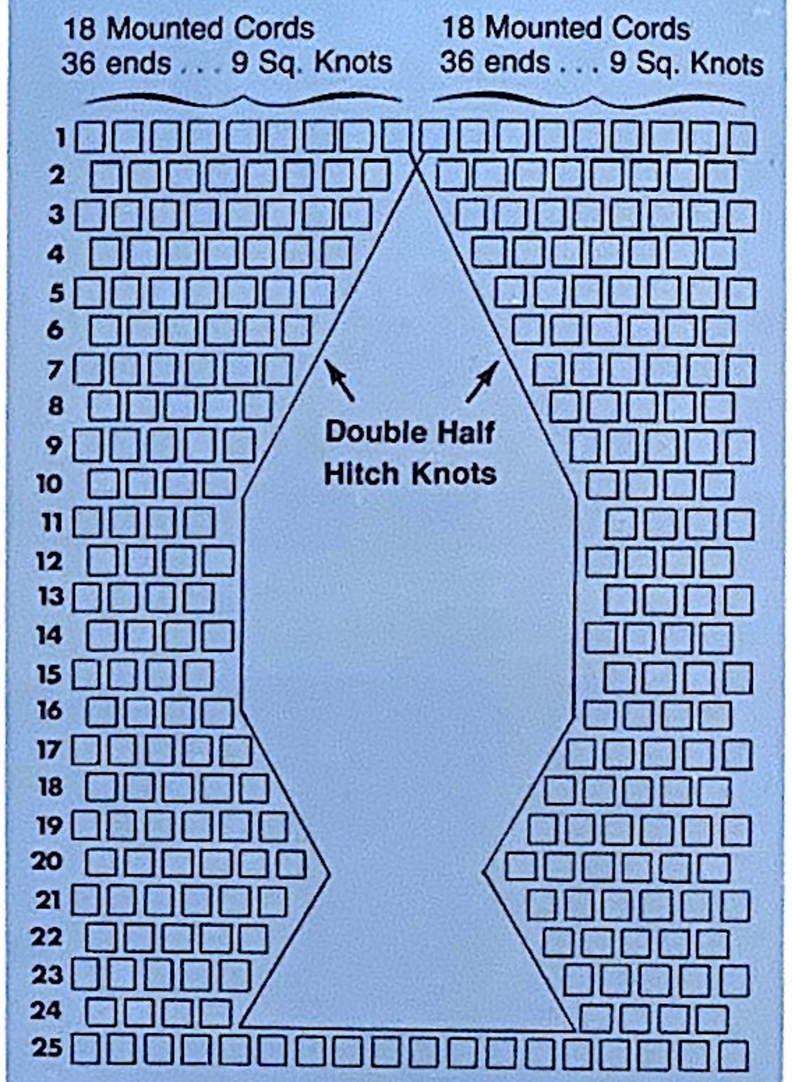
A B



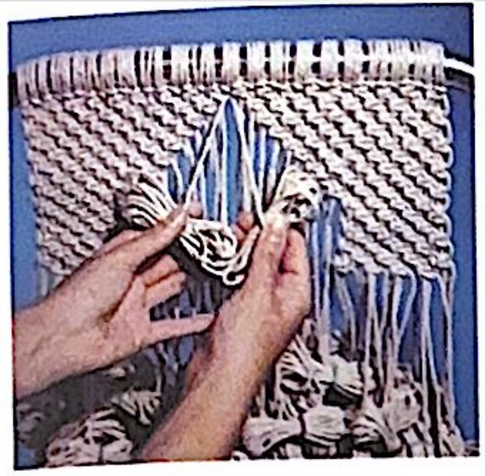
C

D

Diagram For Central Pattern



- **Each square represents 1 Square Knot.**
- **The 2 inner lines indicate Diagonal, Vertical and Horizontal Double Half Hitch Knots.**

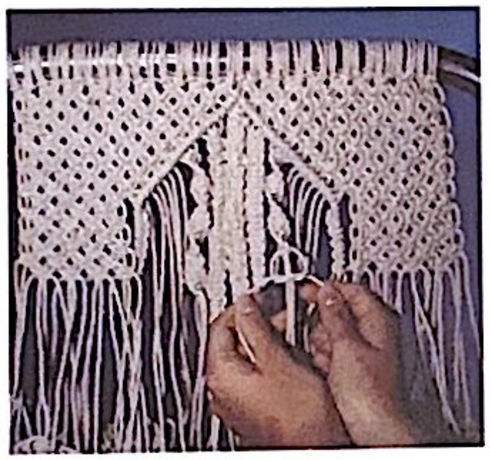


1. For central pattern, make the 1st 14 rows of Alt. Square Knots as shown on diagram on page 14, then cross the 2 center cords over each other.

2. Using the 2 center cords as Knotting Cords, outline the central pattern by making Diag. Double Half Hitch Knots on both sides for 10 rows (p. 30).

3. Now, on both sides, make 4 Vertical Double Half Hitch Knots down to row 15 following instructions on page 14.

4. On the 12 center cords, make 3 Sq. Knot Sennits (p. 29). Make 18 knots on the center Sennit and 19 knots on the 2 outside Sennits.

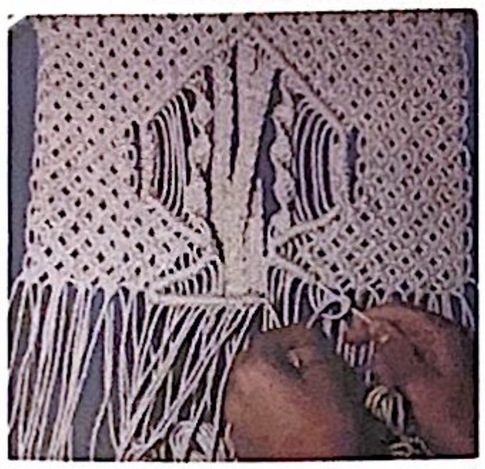


5. On both sides of the 3 Square Knot Sennits make a Half Knot Twist Sennit with 23 knots (p. 31).

6. Now, working toward the center with the same 2 center cords as Knotting Cords, make Diagonal Double Half Hitch Knots over to and including the ends from the Half Knot Twist Sennits.

Patio Chair

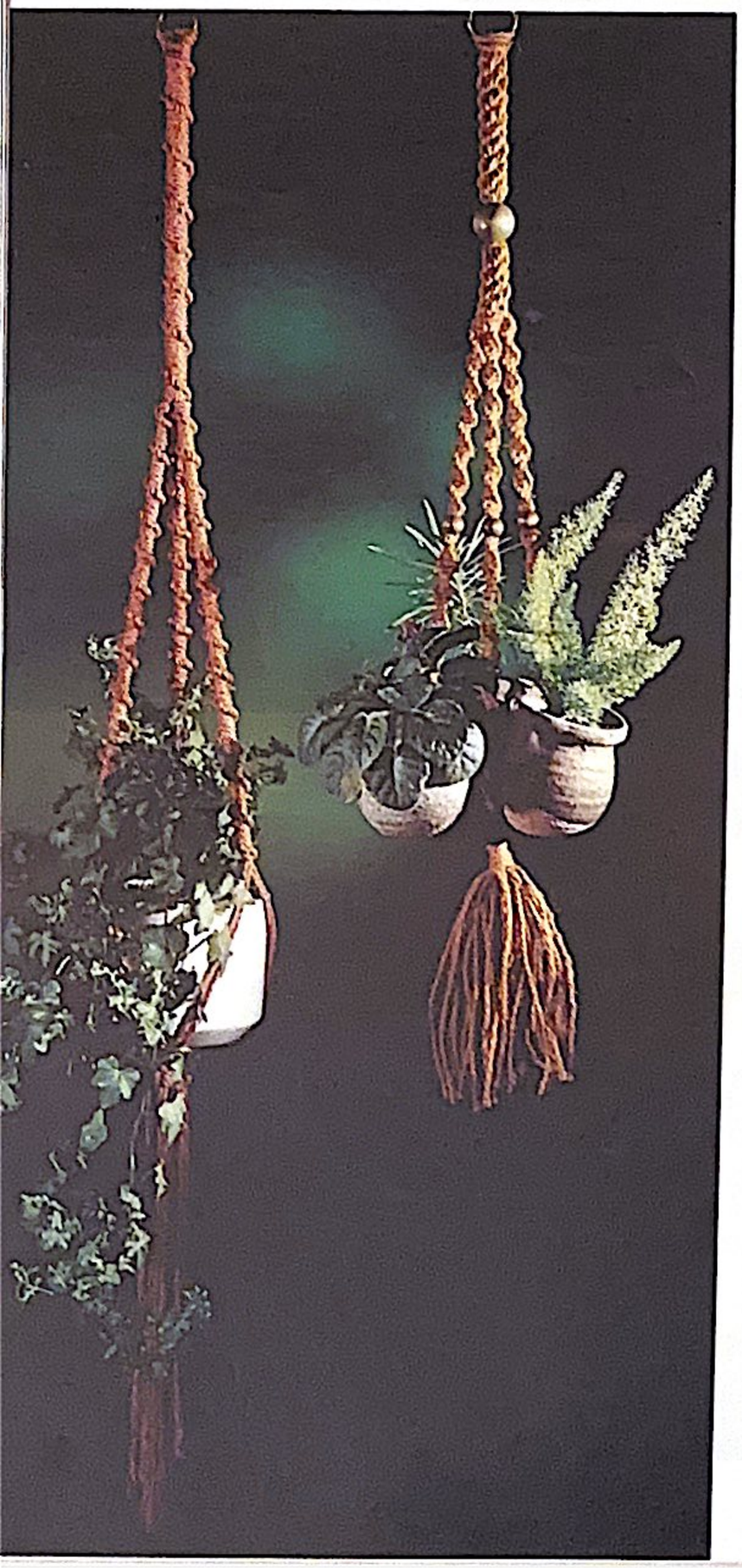
Instructions for plant hangers on pages 4, 5 & 16.



7. On both sides of central pattern, make Alt. Square Knots down to and including row 24 . . . then make Diag. Double Half Hitch Knots around central pattern as shown. Cross the 2 outside Sq. Knot Sennits over to the opposite side and knot them in with the bottom row of Horiz. Double Half Hitch Knots.

8. Finish knotting down to bottom. **On sand chair,** place 2 cords over and 2 cords under bar at back of the seat . . . then knot to front of seat. **On both chairs,** attach ends to the front bar by placing 2 ends over and 2 ends under as shown . . . then make 2 rows of Alt. Sq. Knots. Trim and unravel ends.

Patio Plant Hangers



The Spiraling Single Half Hitch Hanger shown at the left of the photo takes 48 yds. of 1/4" cord . . . an 8" pot . . . and a 2" heavy duty ring. I find this hanger is particularly handsome when made with No. 150 Polyolefin Cablecord. When using this type of cord, knot ends to keep them from unraveling as you work. Length of finished hanger is 57".

1. Cut 6 cords 4 yds. long. Fold them in half and place them thru a 2" ring. **Cut 1 Knotting Cord 12 yds. long . . . fold it in half and place it thru the ring along with the 4 yd. cords.** You will now have 14 ends hanging from the ring. 12 ends, 2 yds. long and 2 ends, 6 yds. long.

2. Cut another 12 yd. Knotting Cord. Start under the ring and make a Spiraling Single Half Hitch Sennit 15" long around all 14 ends. Directions for making a Spiraling Single Half Hitch Sennit are on page 6.

3. To make the straps, divide the 12 two yd. ends into 3 groups with 4 cords in each group. (Place the 2 long Knotting Cords out of the way temporarily.) Now, with the same Knotting Cord used in step 2, make a Spiraling Single Half Hitch Sennit 18" long around one group of 4 cords.

4. Make 2 more Spiraling Single Half Hitch Sennits around the two remaining groups of 4 cords each. Use the two 6 yd. ends that were placed over the ring in step 1 as Knotting Cords.

5. Make a sling for the pot and a tassel following directions on pages 31 & 6.

Note: To keep trimmed ends of this type of synthetic cord from unraveling . . . slowly move a candle back and forth under fringe until ends melt.

Small Plant Hanger With Lanyard Knot Sennit and Half Knot Twist Straps (Shown at the right of the photo.) Length . . . 39".

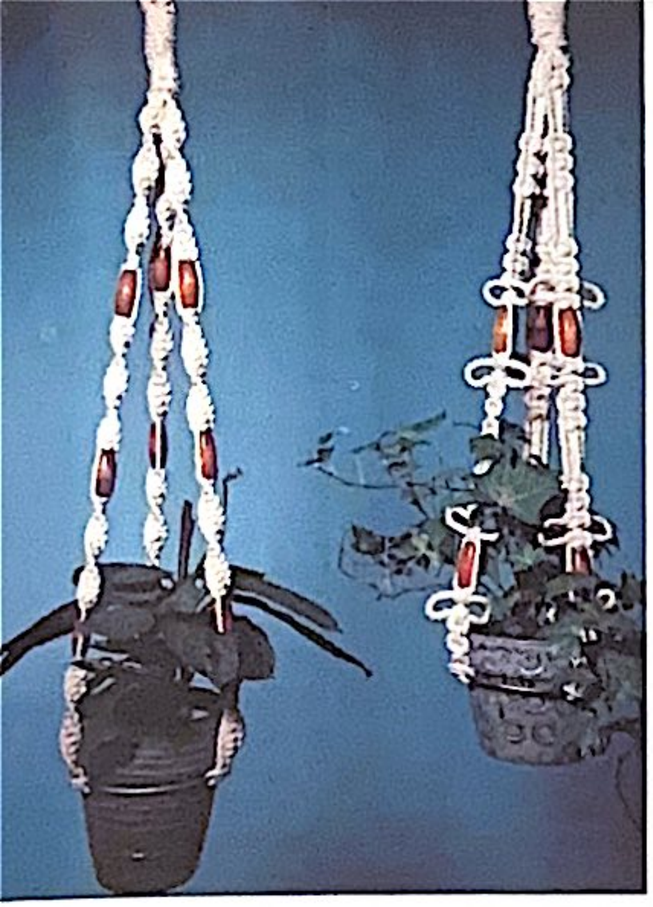
This hanger was made with 42 yds.of Med. Thick (3/16") Jute. 5 Ply synthetic Jute or other 3/16" cord may be used. **Note: The same pattern can be used with Thick (1/4") Jute or synthetic cords, however, you will need 60 yds. and the 6 cords are cut 10 yds. long.** You will also need 1 large and 6 small beads . . . a 2" ring . . . and a pot with 3 sections as shown in the photo or a standard pot.

1. Cut 6 cords 7 yds. . . . fold in half and make 1 large Lark's Head Knot around the 2" ring as shown on page 28.

2. Divide cords into 4 groups of 3 cords each and make a Lanyard Knot Sennit with 18 knots following instructions on page 4. A large bead is placed around all ends, then 10 more Lanyard Knots are made.

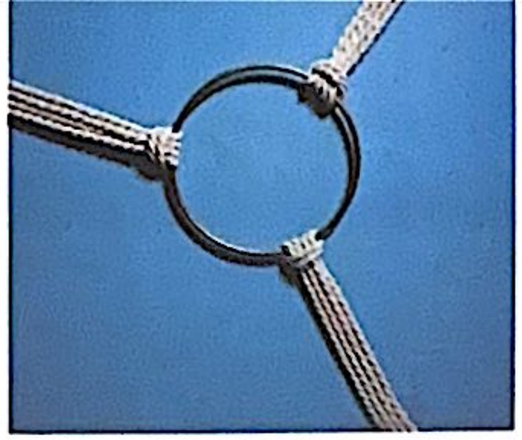
3. To make straps, divide ends into 3 groups of 4 cords each. On each group make a Half Knot Twist Sennit with 35 knots, then place a bead over the 4 ends. **To save cord we switched cords under this bead and used the 2 inside cords as Knotting Cords instead of the 2 outside cords.** Continue the Half Knot Twist Sennit by making 25 more knots . . . placing a bead over the 4 ends . . . then making 35 more Half Knots.

4. If you are using a 3 sectioned pot, simply bring all the ends together under the pot with a Gathering Knot as shown in the photo. If you are using a standard pot, make a sling as described on page 31.



Ring Plant Hangers

These 2 hangers are designed to hold the type of pot that has a lip. We used 4" pots and 4" rings with a 2" ring at the top. **The Half Knot Twist Hanger** is 28" to the bottom of the pot and has nine 1½" long beads. **The Square Knot Picot Hanger** has 6 beads and hangs 25" to the bottom of the pot. **For each hanger** we used 27 yds. of No. 72 Cotton Seine. **Cut 3 cords 6 yds. long and 3 cords 2½ yds. long.** If you substitute a heavier cord or make hangers longer, cords will have to be longer (see chart on page 33).



Step 1, Both Hangers: Fold cords in half and place a short cord inside a long cord, then mount both cords at a time to the 4" ring with 1 Lark's Head Knot (p. 28). Mount 3 groups of 2 folded cords as shown.

Lark's Head Knot

15 Half Knots (p. 29)

Bead on 2 Center Cords

15 Half Knots

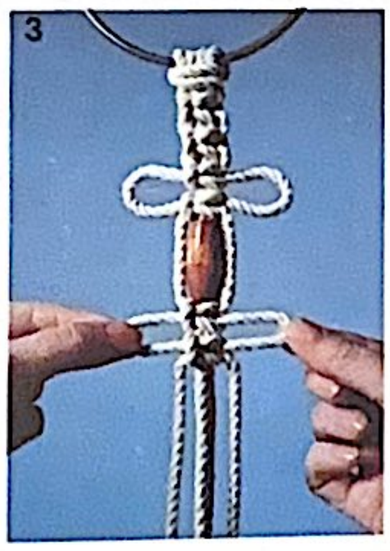
Bead

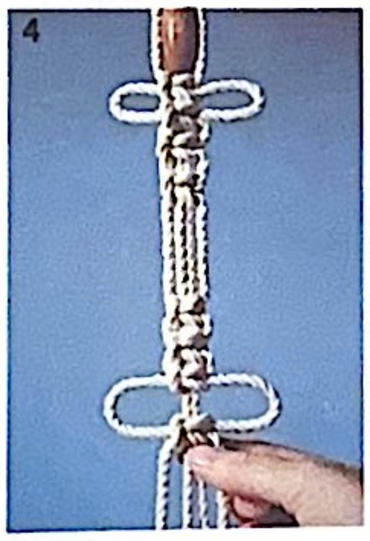
15 Half Knots

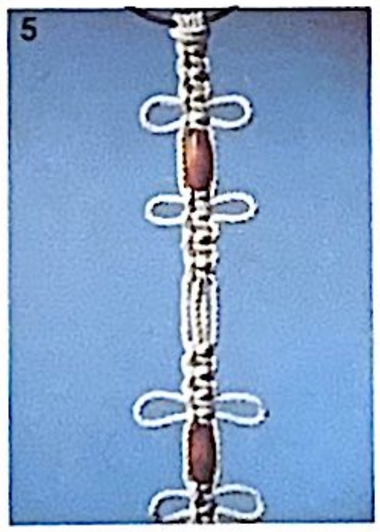
Bead

Pattern For Half Knot Twist Hanger

Square Knot Picot Plant Hanger







2. Under the 4" ring on each group, make 3 Sq. Knots . . . drop 1¾" . . . make another Sq. Knot, then push the bottom knot up to form a Picot.

3. Place a bead on the 2 center cords . . . make a Sq. Knot . . . drop 1¾" . . . make another Sq. Knot, then form the 2nd Picot by pushing the bottom Sq. Knot up. Pull loops as shown to tighten the Picot.

4. Repeat steps 2 & 3. This time place only 2 Square Knots under the Picot instead of 3.

5. Photo 5 shows 2 Picot sections finished. Now, continue the strap with 1¾" open space and 3 more Sq. Knots. Make 2 more straps in the same manner.

6. Finish both hangers by placing the pot in the ring. Bring the 3 straps together making sure the pot is level, then hold with a rubber band. Make a large Overhand Knot around the 2" ring.

7. Trim and cover the ends with a Wrapping Cord as shown in photo 7.

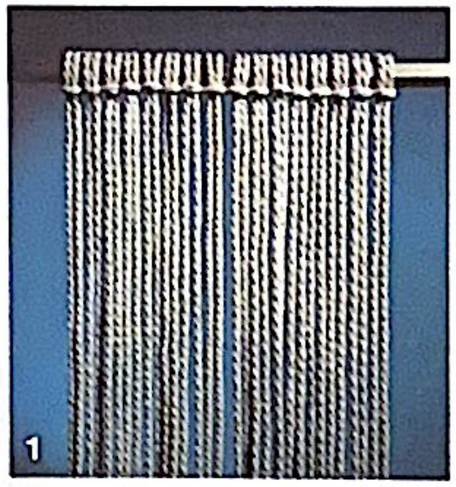
Macramé Window Valance and Curtain

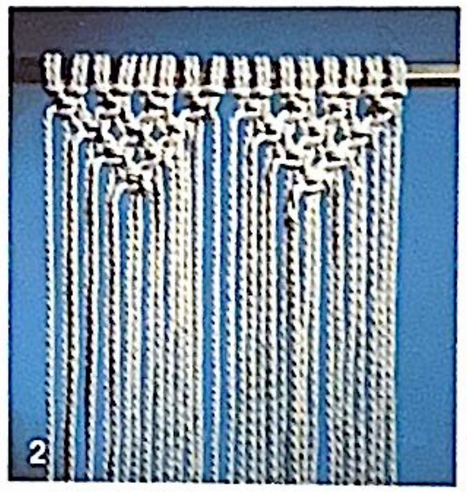
With just a few simple changes, the pattern for this decorative window valance can be changed to make a full length curtain (see step 7 and instructions below.

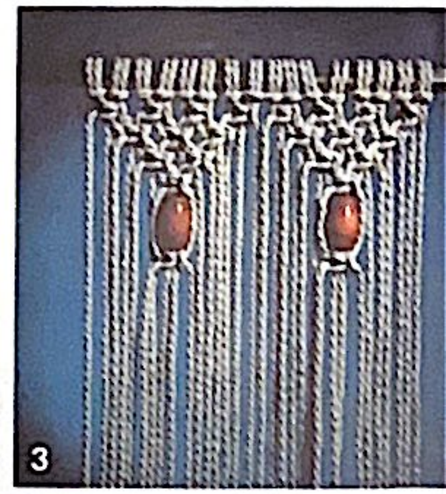
To Make Valance: For a 36" window, you will need 96 yds. of No. 72 Cotton Seine . . . a tension rod to fit window . . . and fifteen 1-1/2" long wood beads. Cut 64 cords 1-1/2 yds. long. For different width windows add cords in groups of 8. Finished length of valance, after knotting will be 10" to 12" long.

To Make Curtain: Cut cords 6 times the length of the window. For example: A 36" x 36" window would take 384 yards of No. 72 Cotton Seine. 64 cords would be cut 6 yds. long and you would need 21 beads.

To Make Ring Plant Hangers follow directions on page 17.





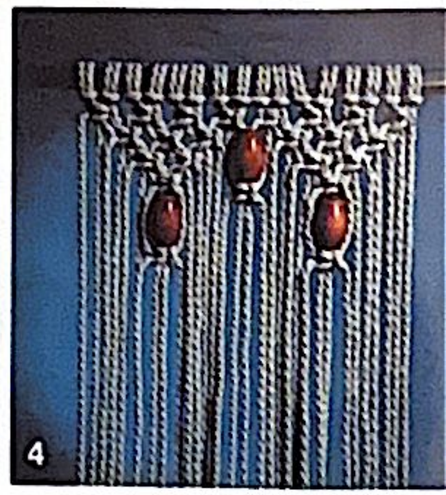


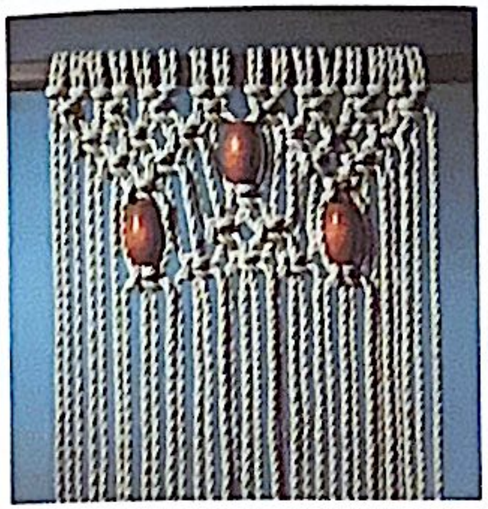
1. To Make Valance: Fold the 1-1/2 yd. cords in half and mount to the tension rod with Lark's Head Knots (p. 28). Cords are mounted in groups of 8, making 16 ends in each group.

2. On each group of 16 ends make a diamond pattern with 4 rows of Alternating Square Knots (p. 29). Make 4 knots in the 1st row . . . 3 knots in the 2nd . . . 2 knots in the 3rd . . . and 1 knot in the 4th row.

3. Place a bead on the 2 center cords under each diamond (cords 8 & 9). Next, make a Square Knot under the bead.

4. Place a bead on cord 16 of one group and cord 1 of the next group.





5.

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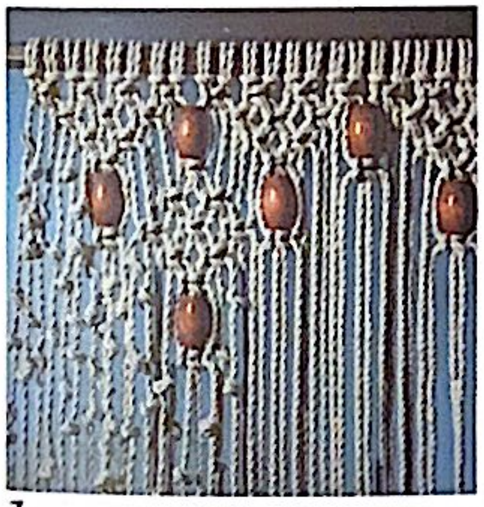


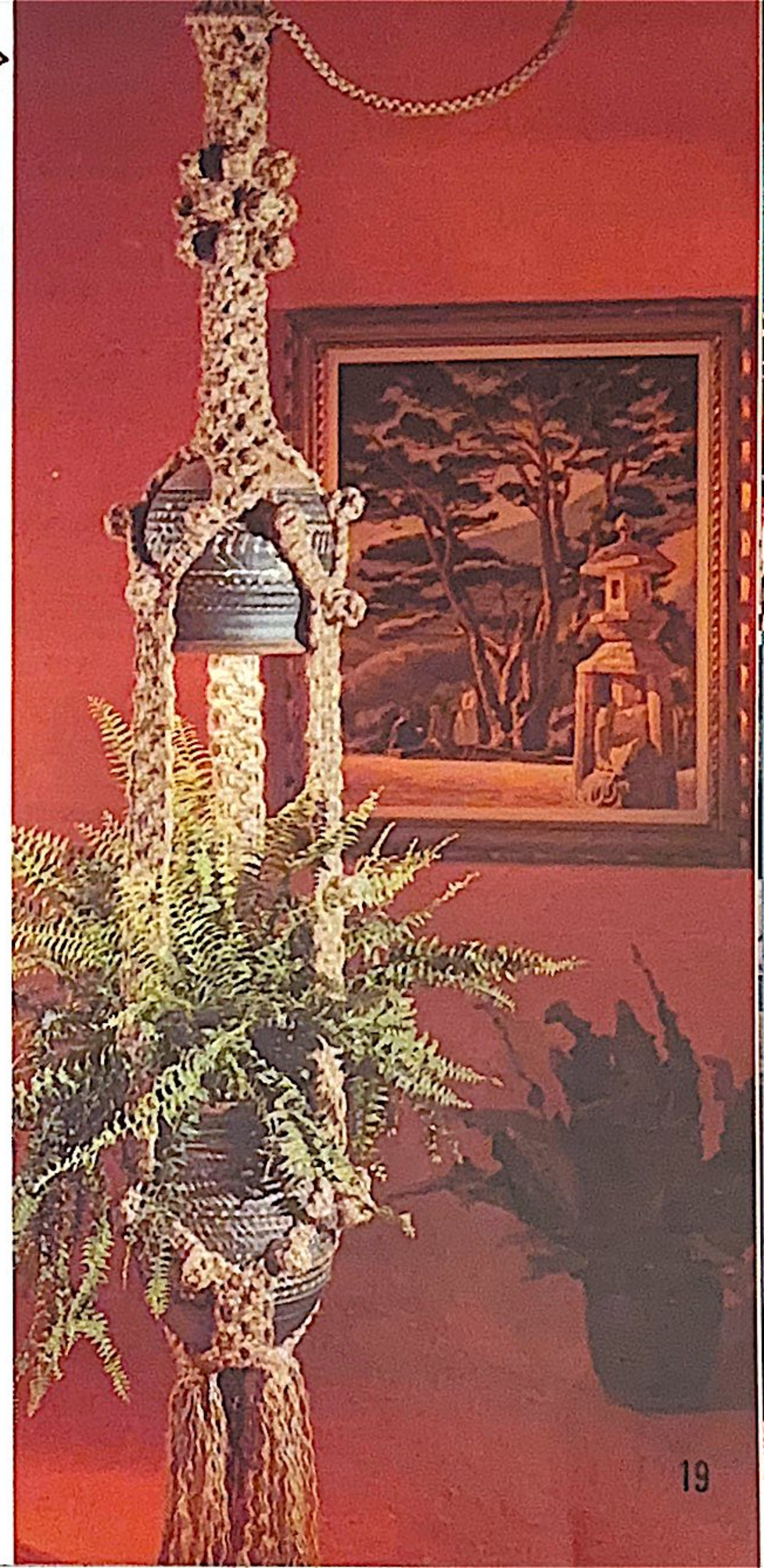
7.

The curtain shown below was made for a 24" x 28" window. It took 6 groups of 8 cords. We cut 48 cords 4-2/3 yds. long and used 16 beads. Plant hanger instructions are on page 17.

5. Under the bead, make 3 rows of Alt. Square Knots with 1 knot in the 1st row . . . 2 knots in the 2nd . . . and 3 knots in the 3rd row. Note: Curtain has 2 more rows in this section. See step 7.

6. Finish valance by making randomly spaced Overhand Knots on each cord as shown in photo 6.

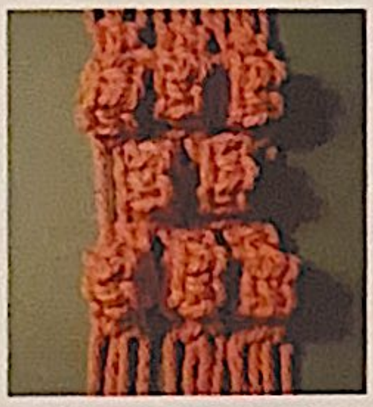
7. To Make Curtain: Simply add 2 more rows of Alt. Square Knots to the section described in step 5 and place a bead on the 2 center cords followed by a Square Knot.



1.

2.

3.



Alternating Square Knot Buttons

1. Divide the cords into groups of 4 cords each. On each group, make a Square Knot Sennit with 5 knots. Note: In the lighted plant hanger on this page and page 21, the Buttons start under the top 8 rows of Alternating Square Knots.

2. Form the 1st row of Square Knot Buttons by bringing the 2 center cords of each Sennit up thru the space at the top as shown on page 29. Lock the Buttons into place by making a Square Knot under them. Now, make a Square Knot on cords 3, 4, 5 & 6 and one on cords 7, 8, 9 & 10. Leave 1/2" space and make 2 Square Knot Sennits with 5 knots in each Sennit. The Buttons are formed by bringing the 2 center cords of each Sennit up thru the 1/2" space at the top, then placing a Square Knot under each Button.

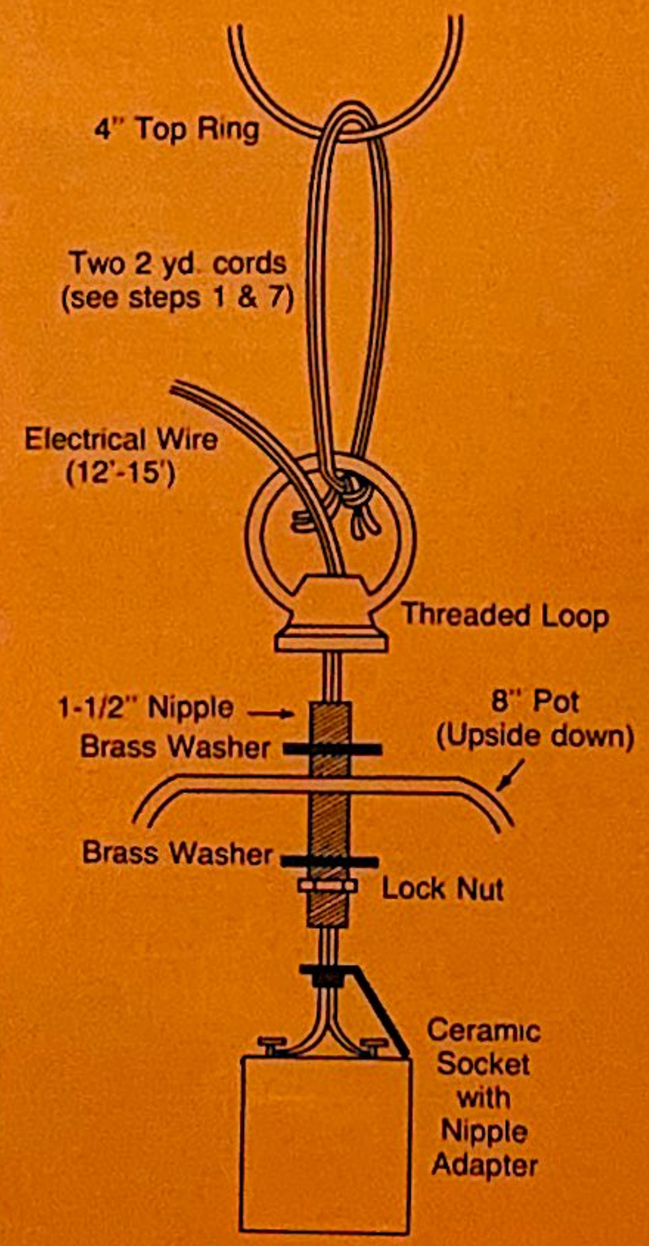
3. In photo 3, you see the 2nd row of Alt. Square Knot Buttons finished and the start of the 3rd row which was made on the same cords as the 1st row. Notice the 1/2" space at the top of each Sennit.

4. Photo 4 shows three completed rows of Alt. Square Knot Buttons. There may be any number of Buttons in a row as well as any number of rows.

Lighted Plant Hanger

With Alternating Square Knot Buttons & Lanyard Knot Sennit

Overall length . . . 7 ft.
Supplies: 298 yds. of Thick (1/4") Jute. (1/4" synthetic cord may be substituted) . . . 2 heavy duty 4" rings . . . 2 pots wth holes in the bottom. (We used an 8" pot at the top and a 9" pot at the bottom.) You will also need 12'-15' of electrical wire . . . a clamp-on plug . . . electrical parts shown below and a 75 watt plant light. **Important: A ceramic socket must always be used with a plant light.**



How to Wire A Lighted Plant Hanger

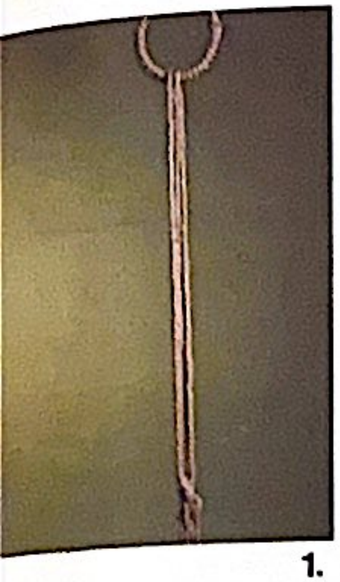
The diagram at the left illustrates how to assemble the electrical parts to the top pot.

Note: Never place the electrical wire over the ring at the top of the hanger. It must always be placed at a spot where it will not have to support the weight of the hanger. In this case, as can be seen in the photo at the right of page 19 and in step 7 . . . the end of the wire is placed over the second 4" ring.

To attach wire to the ceramic socket, first place wire thru the nipple adapter. Next, remove 1/2" of insulation from the ends of the wire. Twist the strands together to form 2 loops. Place the loops under the 2 screws on top of the socket, then tighten screws.

How To Cover The Electrical Wire With a Half Knot Twist Sennit

Cut a cord 32 yards long and fold it in half. Place the cord over the 2nd 4" ring along with the electrical wire . . . then make a Half Knot Twist Sennit around the wire. The wire takes the place of the 2 center Filler Cords. 32 yards of cord will cover 12 ft. of wire. Place a clamp-on plug on the end of the wire. (See step 4, page 23)



1. 2.

KNOTTING INSTRUCTIONS

Step One: Cover a 4" ring following directions on page 2. Cut 2 cords 2 yards long. Fold in half and place thru the 4" ring.

Tie the ends of the cords together temporarily so they can be distinguished from the Knotting Cords. These 2 cords will be tied to the Threaded Loop in step 6. (See illustration on page 20.)

Step Two: Cut 12 cords 22 yards long. Fold in half and mount to the 4" ring with one large Lark's Head Knot (p. 28). Drop 2" and attach the 24 ends to the 2nd 4" ring with Double Half Hitch Knots (p. 30).

3. Make 8 rows of Alternating Square Knots (p. 29).

4. Make 3 rows of Alt. Square Knot Buttons as shown on page 20.

5. Make 12 rows of Alternating Square Knots.

6. At this point, place end of electrical wire over 2nd 4" ring and down thru center of hanger. **Assemble electrical parts** and position in pot as shown on page 20. Tie the 2 cords shown in step 1 securely to the Threaded Loop which extends thru hole in pot. Threaded Loop should be at same level as last row of Alternating Square Knots.

7. Separate cords into 3 groups of 8 cords each, then make 3 rows of Alternating Square Knots on each group.

8. Now separate the 24 ends into 6 groups of 4 cords each and make 6 Square Knot Buttons (1 on each of the 6 groups).

9. Under each Button make a Square Knot Sennit with 6 knots.

10. To Make Straps bring one Sennit from each point together. You now have 3 groups of 8 cords each. On the 4 center cords of each group, make a Square Knot followed by a Square Knot Button.

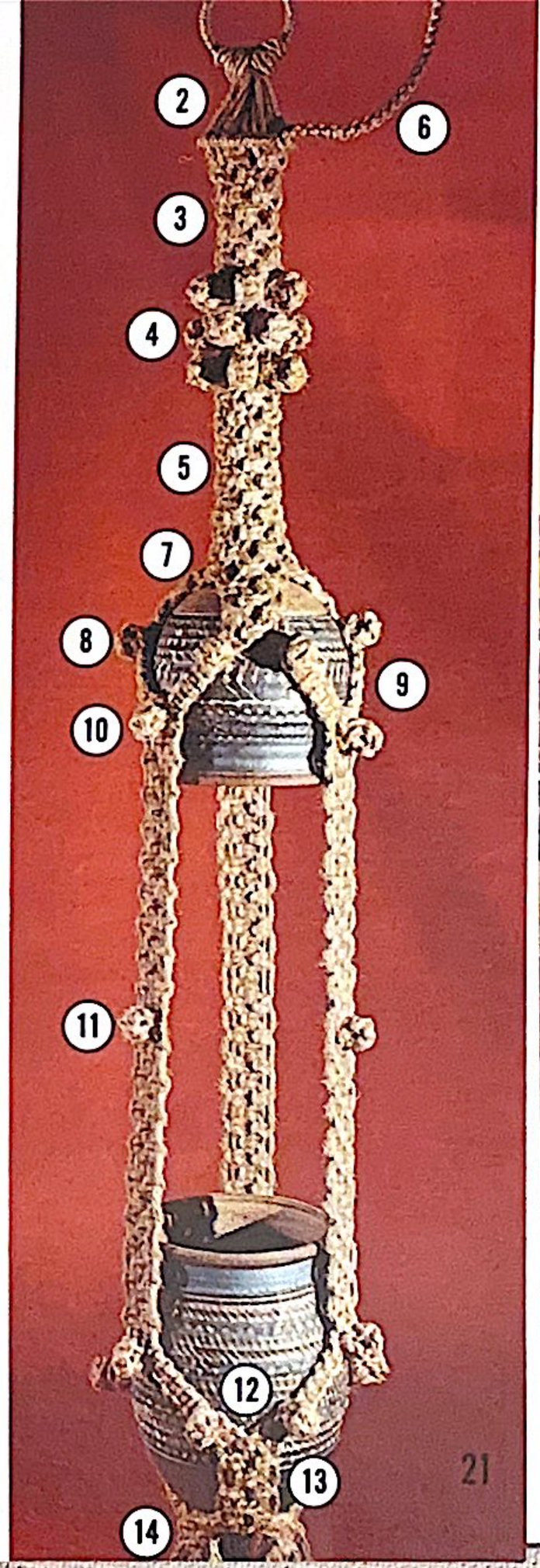
11. On each group of 8 cords, make 18 rows of Alt. Sq. Knots . . . then make a Sq. Knot Button on the 4 center cords . . . followed by 18 Alt. Sq. Knots. Now, make another Sq. Knot Button on the 4 center cords.

12. To Make Sling divide cords into 6 groups with 4 cords each. Make a Sq. Knot Sennit with 5 knots in each group . . . followed by a Sq. Knot Button and 2 more Sq. Knots.

13. Join 2 Sennits (one from each strap) with a Sq. Knot on the 4 center cords. Next, make 6 rows of Alt. Sq. Knots on each group of 8 cords.

14. Again separate ends into 6 groups of 4 cords, then make 6 Sq. Knot Sennits with 3 Sq. Knots in each. Finally, finish sling by joining 2 Sennits from each Alt. Sq. Knot section with a Square Knot on the 4 center cords followed by 2 rows of Alt. Sq. Knots. Trim and fringe ends.

Hand thrown pots by John Alabaster, Laguna Beach, Cal.



Jute Swag Lamp

Supplies: 335 yds. of Thick (1/4″) Jute or synthetic cord . . . 64 yds. Thin (1/8″) Jute for wrapping . . . 24 yds. of brown cord . . . two 5″ wood rings . . . two 20″ wood hoops . . . **electrical supplies:** 12′-15′ wire and parts used in diagram on page 23.

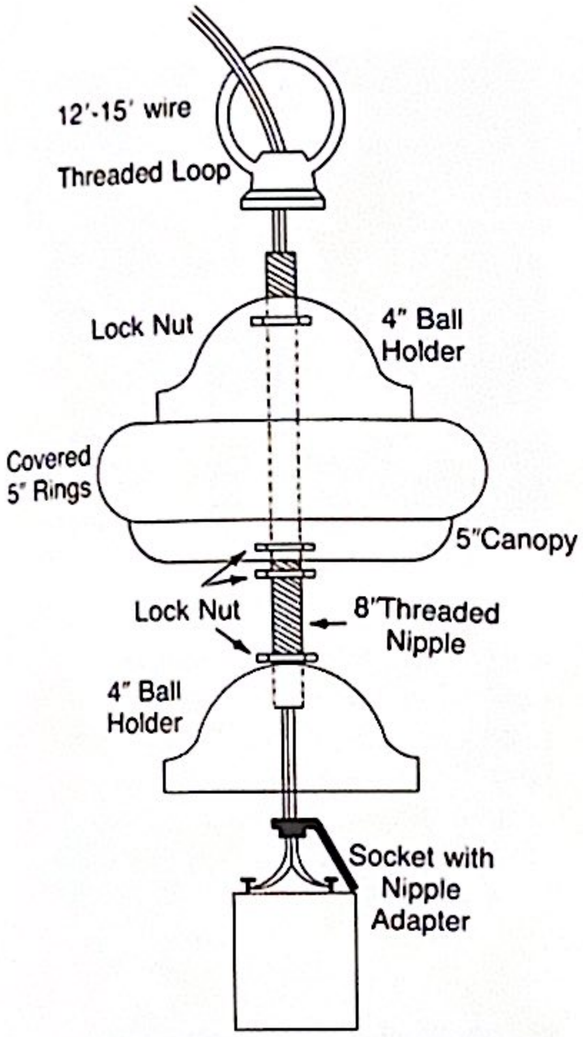
1.

2.

1. Wrap the two 5″ wood rings together as shown with Jute. Glue ends of cord to rings and hold in place with tape until glue dries.

2. Cut 30 cords 4 yds. long. Fold in half and mount to the covered rings with Lark's Head Knots as shown in photo 2.

3. Assemble electrical parts as shown in the photo at the right and in diagram on page 23. The 5″ covered rings (with cords attached) are placed between the top 4″ Ball Holder and the 5″ Canopy. The entire unit can then be hung from a hook in the ceiling or a door jamb to make knotting easier.



4. Cover electrical wire. Fold a 32 yd. cord in half and place thru the Threaded Loop. Make a Half Knot Twist Sennit around the wire using the two 16 yd. ends as Knotting Cords. The wire will take the place of the two Center Filler Cords.

5. Here you see the electrical assembly in place and the unit hung.

A. Starting at the top, under the 5" rings, make a row of Vertical Double Half Hitch Knots around 2 cords at a time (see diagram). Use a 3-1/2" yd. brown Knotting Cord (1/4" thick).

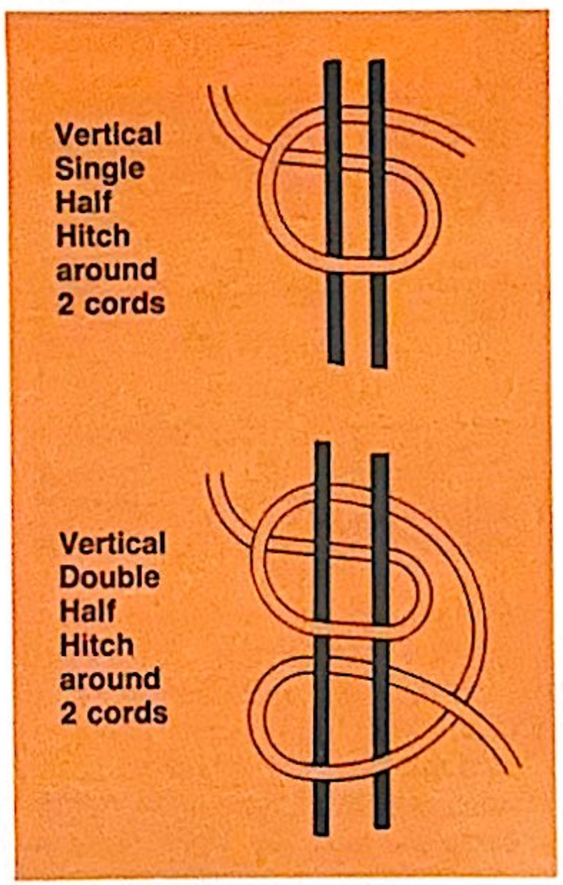
B. Next make a row of Vertical Single Half Hitch Knots around the same 2 cords (see diagram). Use a 2 yd. Natural Jute (1/4) Knotting Cord.

C. Under the Half Hitch Knots, make 3 rows of Alt. Square Knots (p. 29).

D. Cover a 20" wood hoop with Thin Jute (takes about 32 yds.).

E. Attach the ends with Double Half Hitch Knots to the 20" hoop in groups of 4 as shown in the above photo.

6. Cut 60 cords (Nat. 1/4" Jute) 2-1/2 yds. long. Fold cords in half and mount to the 20" ring with Reverse Lark's Head Knots (p. 28). Mount 4 cords in each space between cords already attached to the hoop.



7. A. Under the hoop, make a row of Vertical Single Half Hitch Knots around 2 cords at a time (see diagram). Use a 6 yd. Nat. Jute (1/4" thick) Knotting Cord.

b. Make a row of Vertical Double Half Hitch Knots around the same 2 cords using a 10 yd. brown Knotting Cord. (1/4" Thick Jute or other 1/4" cord).

C. Make another row of Vertical Single Half Hitch Knots around 2 cords, again using a 6 yd. Nat. Jute Knotting Cord.

D. Make 3 rows of Alt. Square Knots . . . drop 1" . . . and make 3 more rows of Alt. Sq. Knots.

E. Repeat steps A, B & C with rows of Single and Double Vertical Half Hitch Knots around 2 cords at a time.

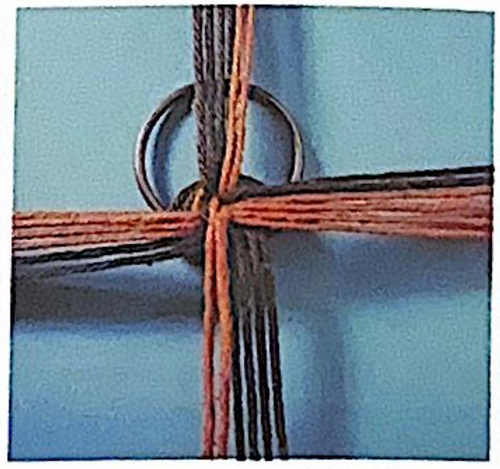
F. Cover a 20" hoop with Thin Jute. Attach all ends to the hoop with Double Half Hitch Knots, then trim ends 7" long.

Stained Glass Hanger With Shelf

Supplies: 259 yds. of Med. Thick (3/16″) Jute or synthetic cord. The stained glass discs and the 20″ shelf can be made following instructions in the Gick book, **"Stained Glass"** (HP 501). Wood or ceramic discs and shelf may be substituted . . . or you may have colored glass discs (several sizes) and 20″ shelf cut at a glass company. A hole must be drilled in each disc and 3 holes in the 20″ shelf. You will also need two 4″ rings . . . a 7″ and 8″ ring . . . a 5″ pot and a 6″ pot . . . and six 1½″ long wood beads.

Note: It is very important in this hanger to be able to identify the long ends from the short ends . . . so after cutting cords, place tape on ends of each cord and mark the length of the cord on the tape.

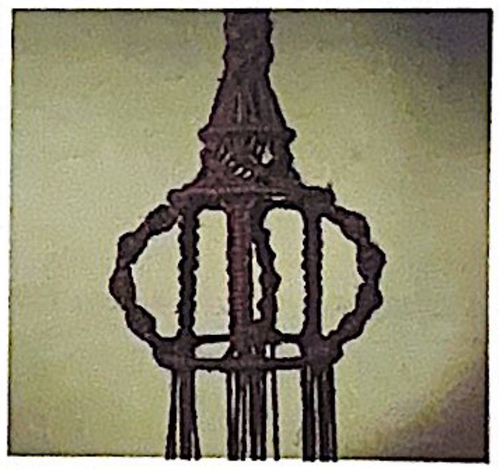
Step 1: Cover a 4″, 7″ and 8″ ring following directions on page 2. **Cut 6 cords 18 yards long and 6 cords 12 yards. Fold cords in half and mount to the 4″** ring with a large Lark's Head Knot (p. 28).



2. You now have 12 nine yd. ends and 12 six yd. ends. To make the Lanyard Knot Sennit, separate the ends into 4 groups with 6 cords in each group as shown above. The orange cords indicate the 6 yard ends and the brown represents the 9 yd. ends.

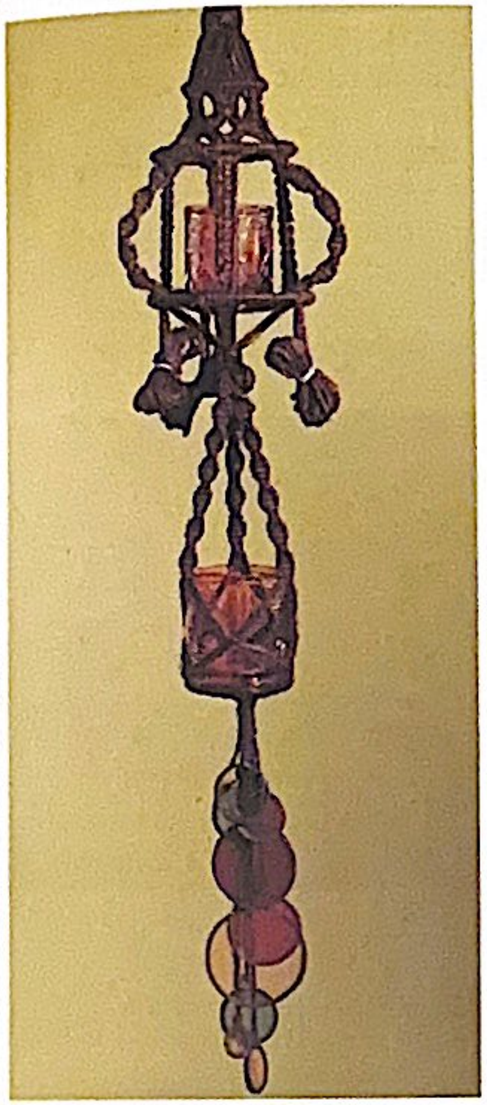
3. Now, make a Lanyard Knot Sennit with 10 knots following instructions on pages 4 & 5. Under the Sennit, separate the long ends from the short ends. Attach 4 short cords . . . then 4 long cords . . . then 4 short, etc. to a 4″ ring with Double Half Hitch Knots as shown.

4. Under the 4″ ring make 3 rows of Alt. Square Knots (p. 29). Attach ends (in groups of 4 short then 4 long, etc.) to the 7″ covered ring with Double Half Hitch Knots. Next, with the 3 groups of shorter ends make 3 Sq. Knot Sennits with 10 knots each. Attach ends as shown to the 8″ covered ring with Double Half Hitch Knots.



5. On the 3 groups of longer ends, make 3 Half Knot Twist Sennits with 30 knots each . . . then attach ends to the 8″ ring with Double Half Hitch Knots. **Note: Place a 10″ wire in the center of each Half Knot Twist Sennit before knotting to help hold Sennits in the curved shape.**

6. To make the inside plant hanger, bring the 12 short ends (coming from the 3 Sq. Knot Sennits) together, then wrap all 12 ends with a cord for 1½″ as shown.



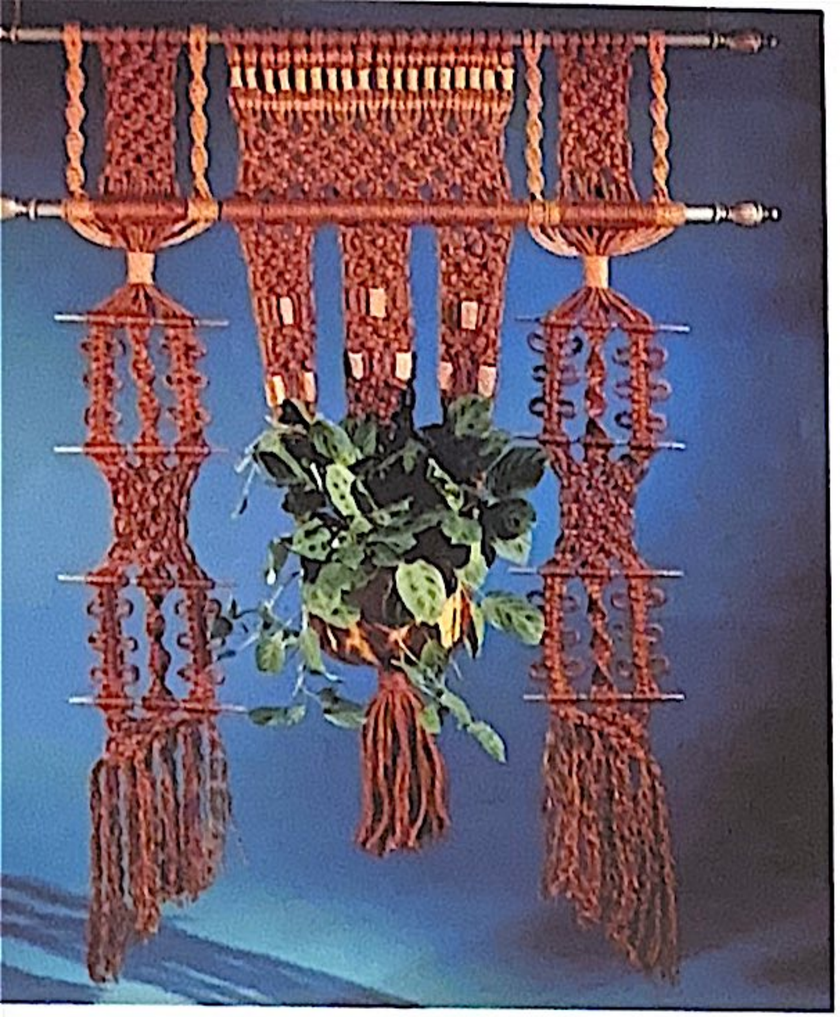
7. Here you see the finished inside plant hanger. Separate the 12 ends under the wrapped section (described in step 6) into 3 groups with 4 cords each and make 3 Half Knot Twist Sennits 9" long. Make a sling for the 6" pot as shown on page 31. Trim ends and attach various sized stained glass discs or other ornaments.

8. Now, cut 6 cords 12 yds. long. Fold the cords in half and mount 2 at a time to the 7" ring between the existing Half Knot Twist and Sq. Knot Sennits. Make 3 more Half Knot Twist Sennits with 30 knots each (around a wire) as described in step 5. Attach ends to the 8" ring.

9. You now have 24 ends to make the 3 outside straps. Divide the 24 ends into 3 groups of 8 cords each. On each group, make 39" of Alt. Sq. Knots as shown in photo 9. **Note: A platform for the 5" pot was made by crossing a cord over from one side of the 8" ring to the other (between the Half Knot Twist and Sq. Knot Sennits).**

10.

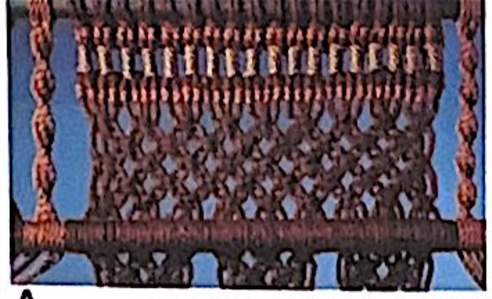
10. How to Attach Shelf: Separate the 8 cords at the end of each strap into 2 groups of 4 cords each. Make a Sq. Knot Sennit with 8 knots on one group of 4 cords. Place a 1½" wood bead over the 4 ends . . . place the ends thru a hole in the shelf. Under the shelf, place another bead over all 4 ends. Take the remaining 4 cords, at the end of each strap and make a Sq. Knot Sennit long enough to curve around the outer edge of shelf and reach the 4 ends under the shelf. Bring all 8 ends together and make a tassel following instructions on page 6.



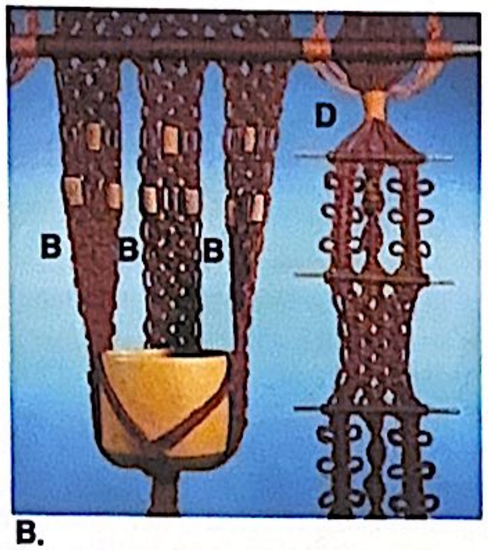
Curtain Plant Hanger

4-1/2 feet long . . . 3 feet wide

Supplies: You will need 224 yds. brown 1/4″ Jute or other 1/4″ cord . . . 36 yds. of 1/4″ orange cord . . . 6 yds. yellow cord for wrapping. (Colors may be changed if so desired.)
You will also need 2 Café Rods (28″-48″ long) . . . eight 10″ dowels or chopsticks . . . nine 1½″ beads . . . and an 8″ pot.



A.



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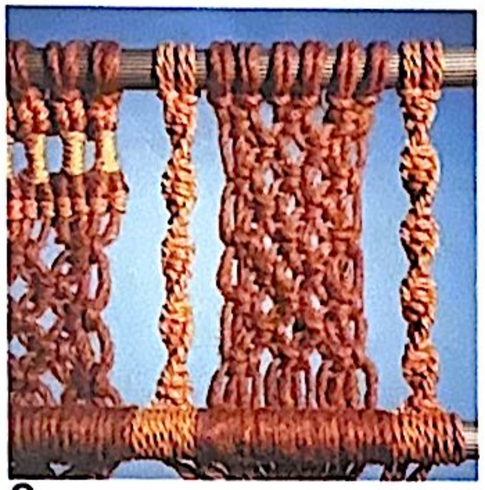


C.

D.

A. CENTER SECTION: Cut 18 cords 6 yds. long (brown), fold in half and mount to the rod with Lark's Head Knots. **Cut a 4 yd. Knotting Cord** (orange) and make a row of Vertical Double Half Hitch Knots around 2 cords at a time (p. 23). **Cut a 4 yd. Knotting Cord** (brown) and make another row of Double Half Hitch Knots around 2 cords at a time. **Cut a 6 yd. Wrapping Cord** (yellow) and wrap around 4 cords at a time 6 times. (Wrap top to bottom, then bottom to top, etc.).
Make another row of brown, then orange Vertical Double Half Hitch Knots around 2 cords at a time. Drop 1″ and make 5 rows of Alt. Sq. Knots, then attach the ends to the 2nd rod with Double Half Hitch Knots.

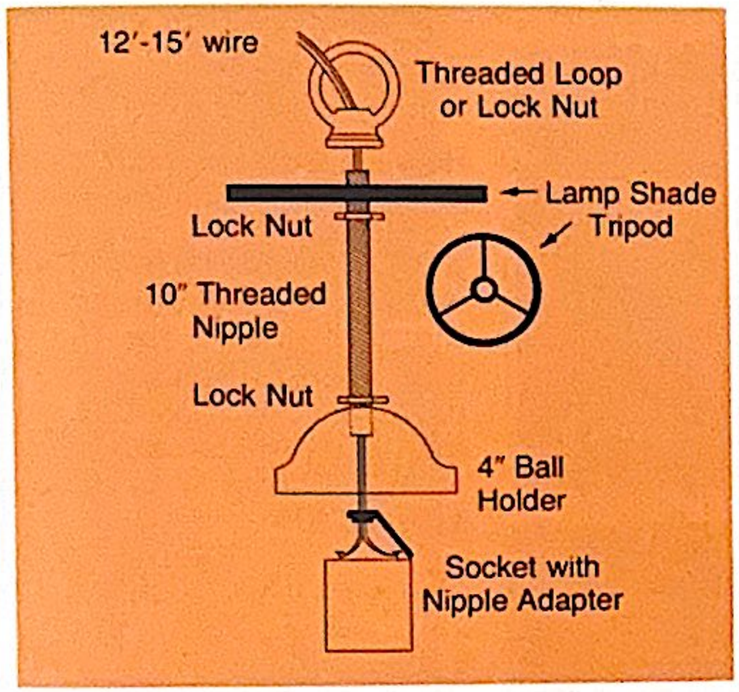
B. STRAPS: Separate the 36 ends into 3 groups of 12 cords ea. **On each strap** make 5 rows of Alt. Sq. Knots, then place a bead on the 2 center cords. Follow this with 3 rows of Alt. Sq. Knots and beads on cords 2 & 3 and cords 10 & 11 of each strap. Next, make 15 rows of Alt. Sq. Knots. **To make sling for pot,** bring cords 1 & 2 and cords 11 & 12 from each strap together with a Sq. Knot. Bring all 36 ends together under the pot with a Gathering Knot. Trim and fringe ends to make tassel.

C. UPPER SIDE PANELS: On each side of center panel, fold cords in half and mount 2 orange (3-1/2 yd. cords) . . . 6 brown (9 yd. cords) then 2 orange (3-1/2 yd. cords) to top bar with Lark's Head Knots. **On outside orange cords,** make Half Knot Twist Sennits. **On inside brown cords,** make 9 rows of Alt. Sq. Knots, then attach all the ends to the 2nd bar with Double Half Hitch Knots.

D. LOWER SIDE PANELS: Under the bar, place the ends of the orange cords behind brown cords as shown in photo D . . . then trim the ends of the orange cords. Use an orange Wrapping Cord and wrap the trimmed orange ends and the brown cords together for 1-1/2″ under wrapped section and attach the brown ends to a 10″ dowel. **Under the 1st dowel as shown in photo B** make a Square Knot Sennit with Picots on cords 1, 2, 3 & 4 and on cords 9, 10, 11 & 12 as follows: Make 2 Square Knots . . . drop 1-3/4″ . . . make another Square Knot and push it up to form a Picot. Under the Picot make 2 more Squre Knots. Repeat the above procedure 2 more times on each Sennit. **On the 4 center cords,** make a Half Knot Twist Sennit, then attach all 12 ends to a dowel. **Under the 2nd dowel** make 9 rows of Alt. Sq. Knots, then attach ends to the 3rd dowel. **Make another Sq. Knot Picot and Half Knot Twist section as described above.** Side panels are finished by attaching ends to a dowel . . . then making 3 rows of Alt. Sq. Knots (3 knots in row 1, 2 in row 2 and 1 in row 3). Trim and fringe ends as shown in finished photo at left.

Macramé Chandelier 5½′ overall length

Here is a perfect example of the more formal look which is now possible with the development of synthetic Macramé cord.
Supplies: We used 329 yds. of No. 150 (¼″) Indoor-Outdoor Polyolefin Cablecord for this project. You will also need a 4″, 10″ and two 20″ rings as well as a 6″ Lamp Shade Tripod. **Electrical Supplies:** You will need a 12′-15′ wire . . . an 8″ frosted white Globe . . . a clamp-on plug . . . plus supplies shown in the diagram. Spray the 6″ Tripod . . . the 4″ Ball Holder . . . the 10″ Threaded Nipple . . . and the 10″ and 20″ rings with white rustproof paint.



1. Cover the 4″ ring following instructions on page 2. **Cut 20 cords 5½ yds. long** and fold them over the 4″ ring. **Note: This cord has a tendency to unravel so knot ends of cords immediately after cutting.**

2. Place one end of electrical wire over ring along with the twenty 5½ yard cords.

3. Cut a Knotting Cord 12 yds. long. Make a 15″ Spiraling Single Half Hitch Sennit around all 40 ends and the electrical wire following instructions on page 6. Tuck ends of Knotting Cord up into center of Sennit.

Note: The Globe and bottom 20″ ring of our chandelier hangs 42″ from the ceiling. If you wish to shorten the distance, simply make a shorter Spiraling Single Half Hitch Sinnet and shorten the distance between each ring. In this case, you will also need a shorter Nipple.

4. After making the Spiraling Single Half Hitch Sennit, assemble the electrical parts as shown in the diagram . . . wrap Nipple with cord . . . then attach all 40 ends to the 6″ Tripod.

5. Under the Tripod, make 4 rows of tight Alt. Square Knots (p. 29) then drop 2½″ and mount the ends **in groups of 4** to the 10″ ring with Double Half Hitch Knots.

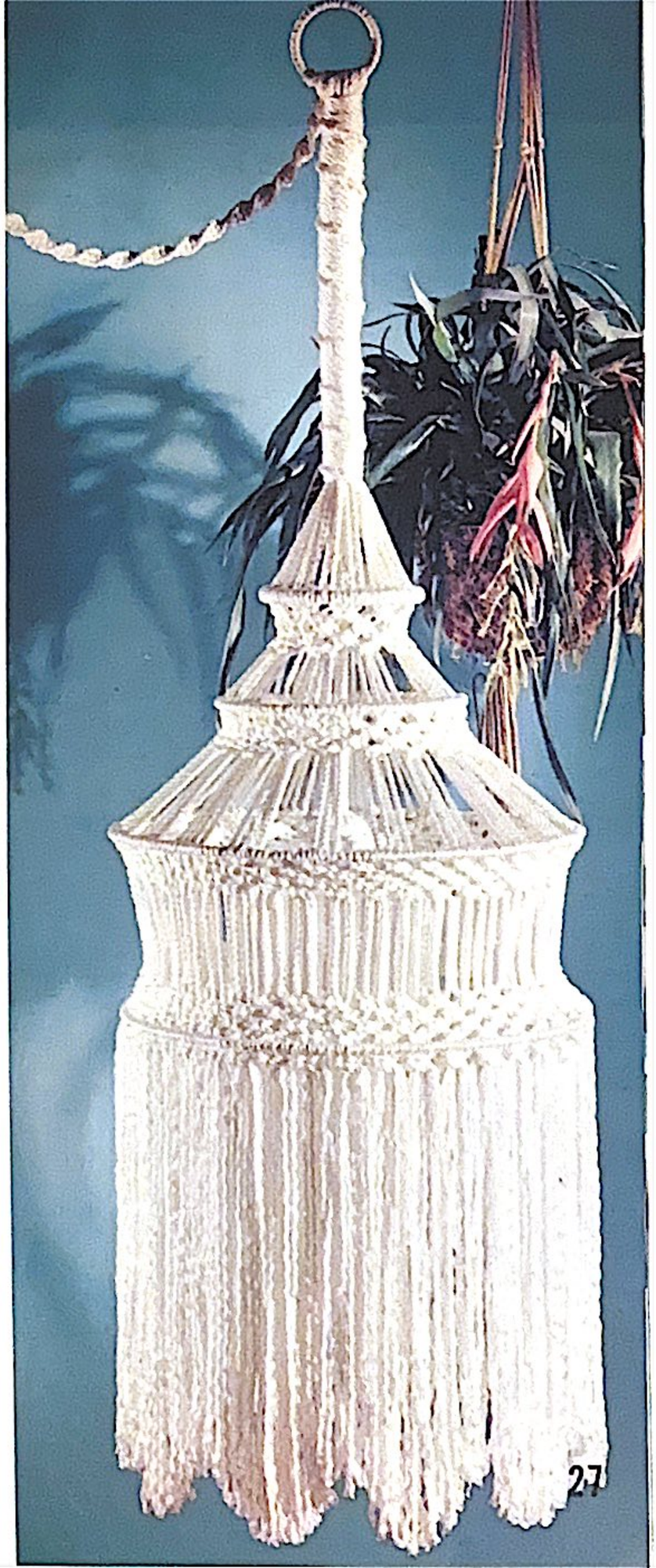
6. Cut 20 cords 3 yds. long. Fold the cords in half and mount them to the 10″ ring with Reverse Lark's Head Knots (p. 28). Mount 2 folded cords between each group of 4 ends already attached to the ring. You will now have 80 ends. Make 4 rows of tight Alt. Square Knots . . . drop 4″ . . . and mount the 80 ends in groups of 4 to the 20″ ring with Double Half Hitch Knots.

7. Cut 40 cords 2-3/4 yards long. Fold in half and mount 2 cords between each group of 4 ends using Reverse Lark's Head Knots. Make 4 rows of Alt. Sq. Knots . . . drop 4″ . . . make 4 more rows of Alt. Sq. Knots and attach ends to the second 20″ ring with Double Half Hitch Knots.

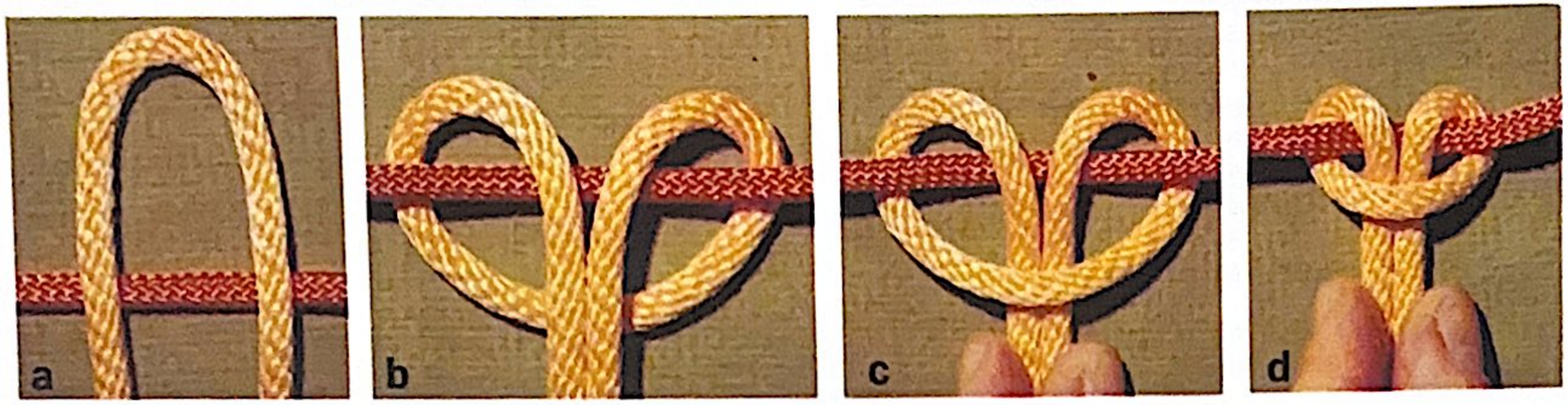
8. Under the bottom ring, make 1 row of Square Knots. Unravel ends and trim fringe as desired.

9. To cover electrical wire, cut a 32 yd. Knotting Cord . . . fold it in half and place it over the top 4″ ring. Make a Half Knot Twist Sennit around the wire as described in pages 20 & 23.

Note: To keep ends of this type of synthetic cord from unraveling . . . slowly move a candle back and forth 1/2″ under fringe until ends melt.



Lark's Head Knot



A. Fold cord in half. Place loop end on top of holder (cord, branch, ring, dowel). B. Place loop behind holder. C. Insert ends of cord through loop. D. Pull to tighten knot.

BAR IN FRONT

How To Shorten Ends Of Cord To More Convenient Working Length

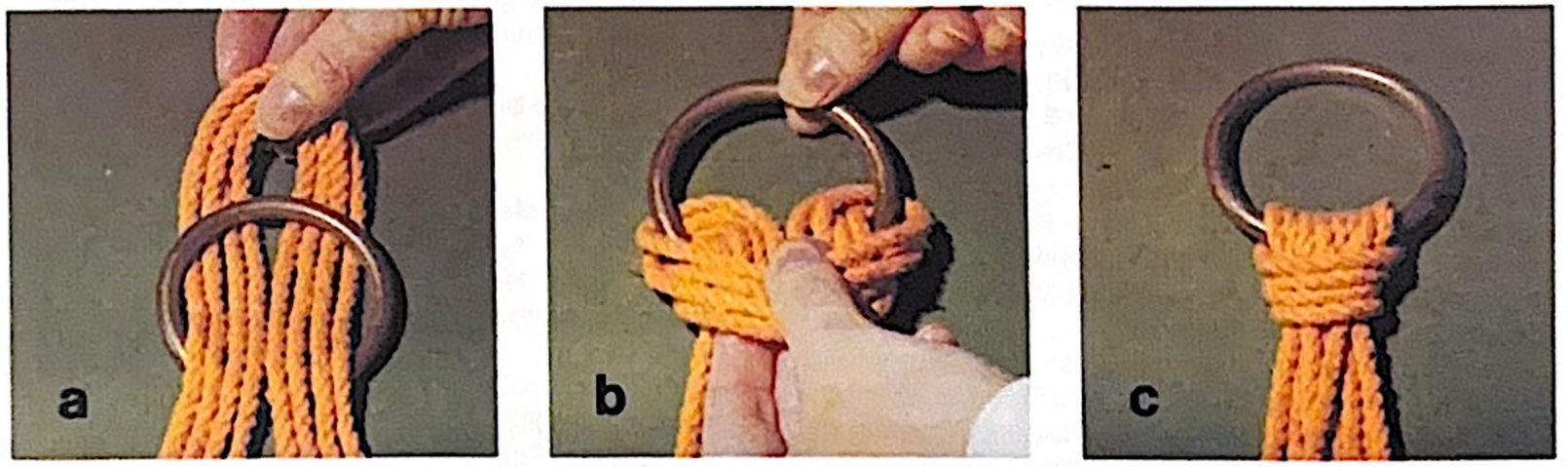
Starting at the top of the cord and working towards the end . . . wind the cord around the thumb and little finger as shown. Place a rubber band around bundle. A gentle tug will release cord as you need it. This is sometimes called a "Butterfly".

Reverse Lark's Head Knot . . . This knot is made by placing the loop behind the holder and reversing the action as shown.

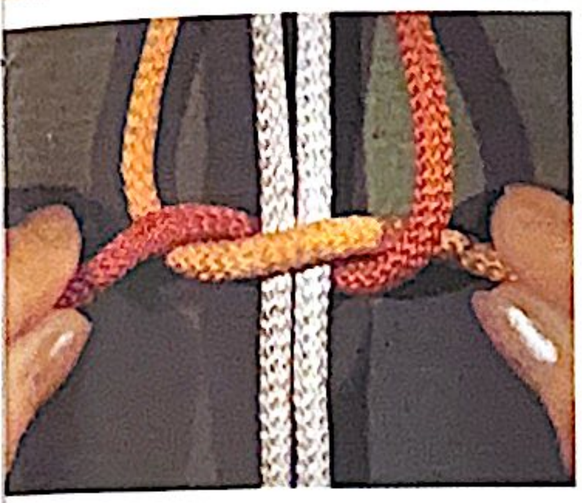
BAR IN BACK

How To Mount Several Cords To A Ring With A Lark's Head Knot

There are occasions when you will want to mount several cords to a ring at the same time. To do this . . . **A.** Fold all the cords in half and place the loop end thru the ring . . . **B.** Pull the loop over the ring to the front . . . **C.** Finally pull the ends of the cords to tighten the knot.



Square Knot and Variations



Half Knot & Square Knot

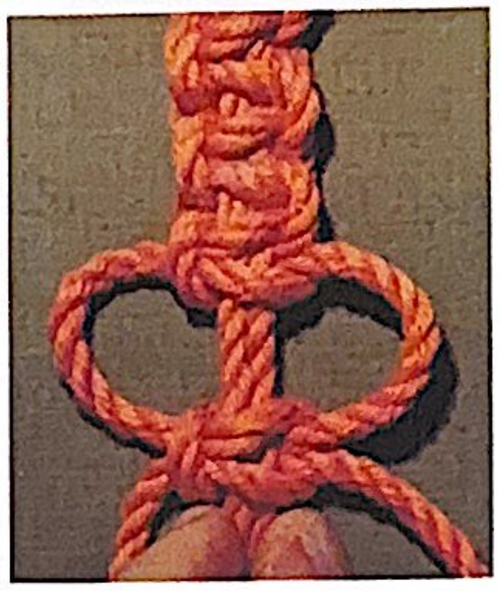
1. Place the Knotting Cord on the left **over** the two center Filler Cords . . . and **under** the Knotting Cord on the right.

2. Place the Knotting Cord on the right **under** the two center Filler Cords . . . and up thru the loop on the left. **These Two Steps Make A Half Knot.**

3. To Make A Square Knot . . . place the Knotting Cord on the right **over** the two center Filler Cords and **under** the Knotting Cord on the left.

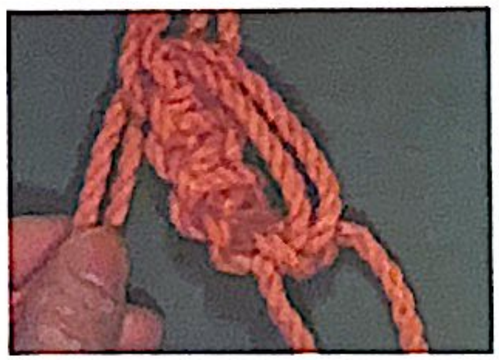
4. Finally, place the Knotting Cord on the left **under** the two center Filler Cords and up thru the loop in the Knotting Cord on the right.

Closed and Open Square Knot Sennits



Square Knot Picot

To make a Square Knot Picot, drop about 2 inches under top Square Knot . . . make another Square Knot . . . and form Picot by sliding knot up the Filler Cords as shown.



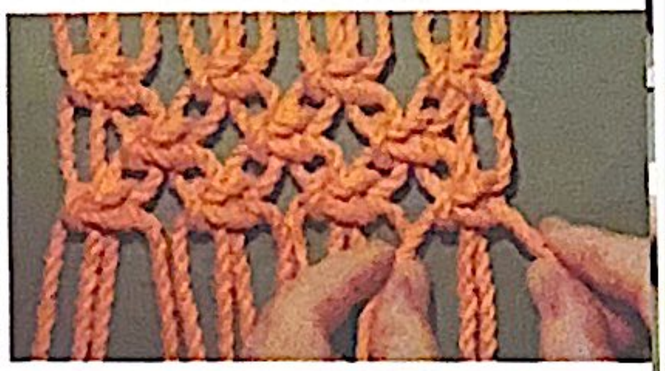
Square Knot Button

Make 4 or 5 Square Knots . . . then bring Filler Cords up thru center of cords above knots. Pull ends of Filler Cords to form Button.

Alternating Square Knots

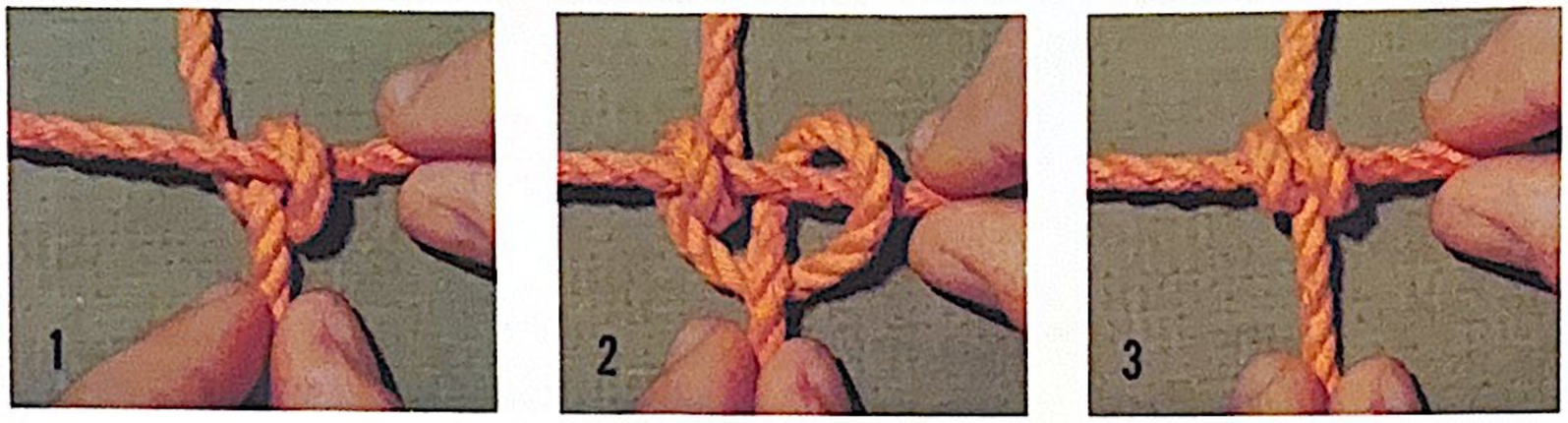
1. Make a row of Square Knots as shown.

2. In the second row . . . drop the first two cords and make a row of Square Knots starting with the next four cords.

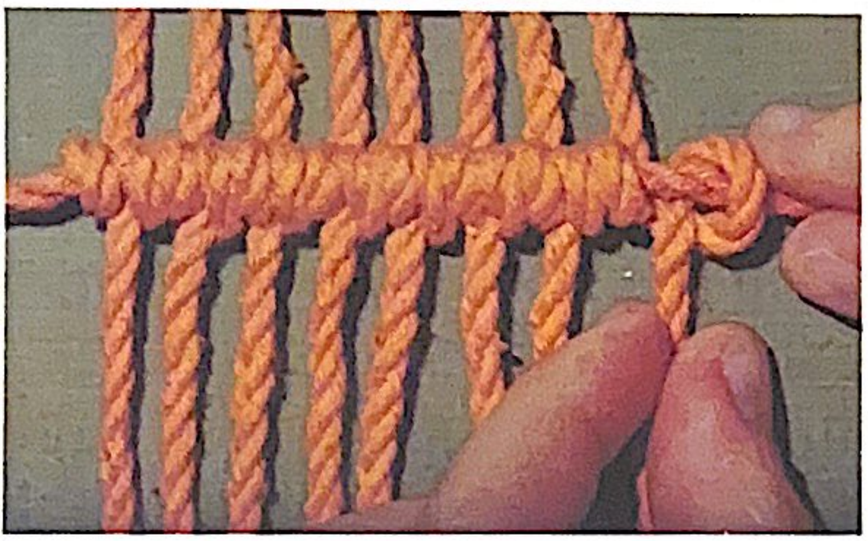


3. Make the third row of Square Knots using the same cords as you did in the first row, etc.

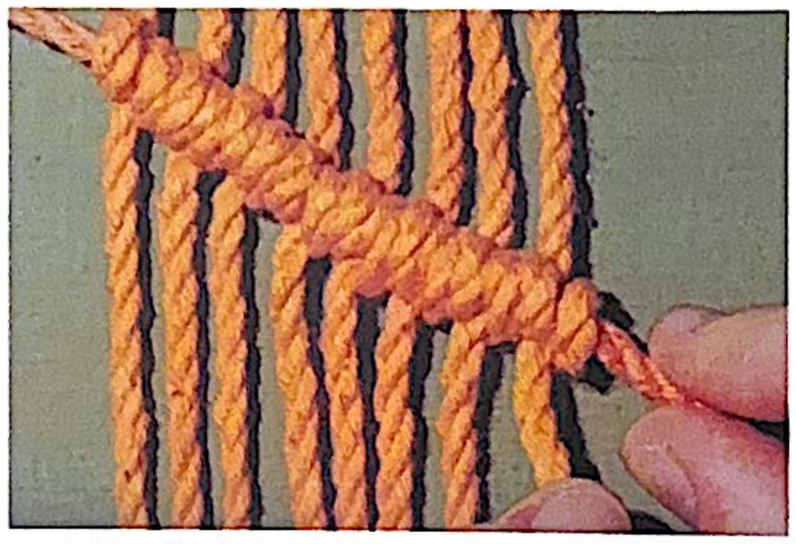
Double Half Hitch Knot and Variations



This knot can be made on a Holding Cord as shown above or used to knot cords around a ring or bar. **1.** Place Knotting Cord **behind** Holding Cord . . . then around Holding Cord . . . and thru loop. Next, place fingers close to knot and pull end to tighten as shown. This creates a single Half Hitch Knot. **2.** Now, to make a Double Half Hitch Knot, repeat step one. **3.** Notice how the end of the cord is in the center.

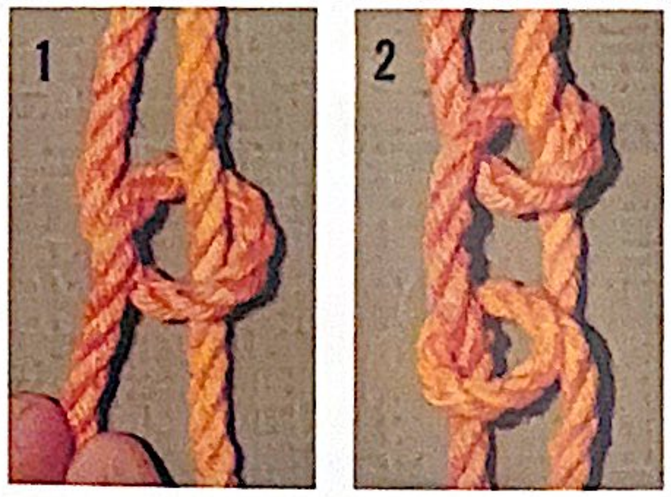


Here you see a horizontal row of Double Half Hitch Knots.



A row of Diagonal Double Half Hitch Knots is made by placing the Holding Cord on an angle *over* the Knotting Cords . . . then knotting around it as shown.

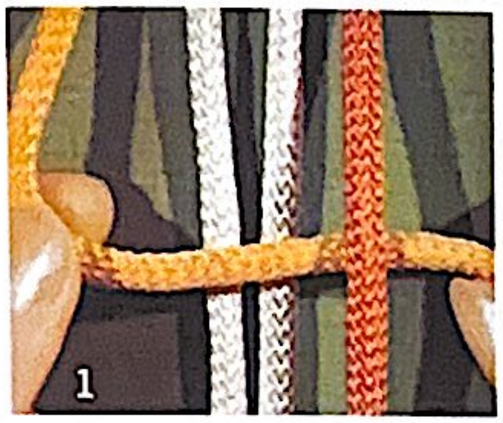
Buttonhole Chain
(Alternating Half Hitch Chain)

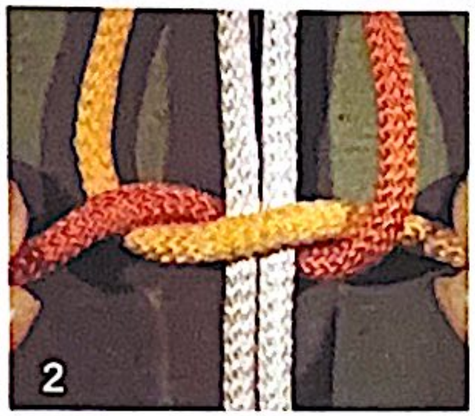


To Make A Buttonhole Chain
1. Take the cord on the left and place it over and around the cord on the right . . . then thru loop.

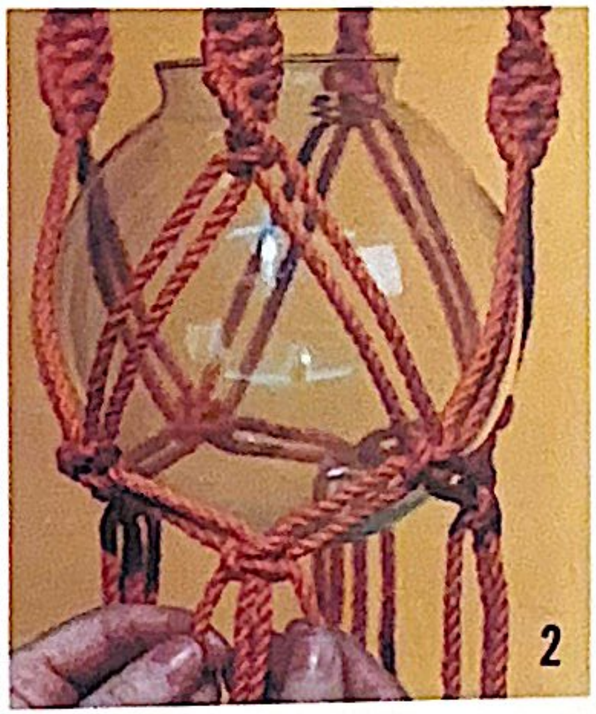
2. Now, take cord on right . . . place it over and around cord on the left . . . then thru loop, etc.

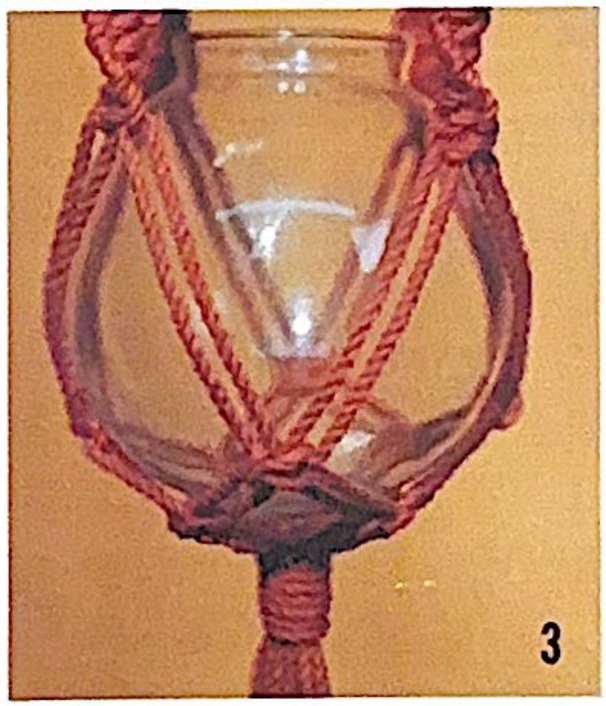
Half Knot Twist





The Half Knot Twist Sennit is made with a series of Half Knots. The Half Knot is the first two steps of the Square Knot. **1.** Place the cord on the left **over** the two center Filler Cords and **under** the cord on the right. **2.** Place the cord on the right **under** the two center Filler Cords and then up thru the loop on the left. This makes a finished Half Knot. **3.** By repeating steps 1 and 2, the Sennit takes on a natural twist.





How To Make Sling For Pot

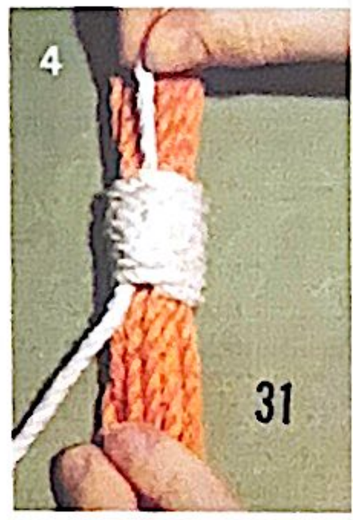
Note: Photo shows sling with 4 straps . . . a 3 strap sling is made in the same manner. **1.** After finishing the straps . . . drop 6 to 12 inches and make Square Knots using cords 1 and 2 from one strap . . . and cords 3 and 4 from another strap. **2.** Place pot in hanger and make a row of Alternating Square Knots about 2 to 4 inches under the first row. Use cords 1 and 2 from one knot and cords 3 and 4 from the next knot. **3.** Finally, wrap ends together under pot with a Gathering Knot as shown on the right.

Gathering Knot (Hangman's Knot)

1. Gather ends of cords together. Place Wrapping Cord around ends and make loop as shown in photo 1.

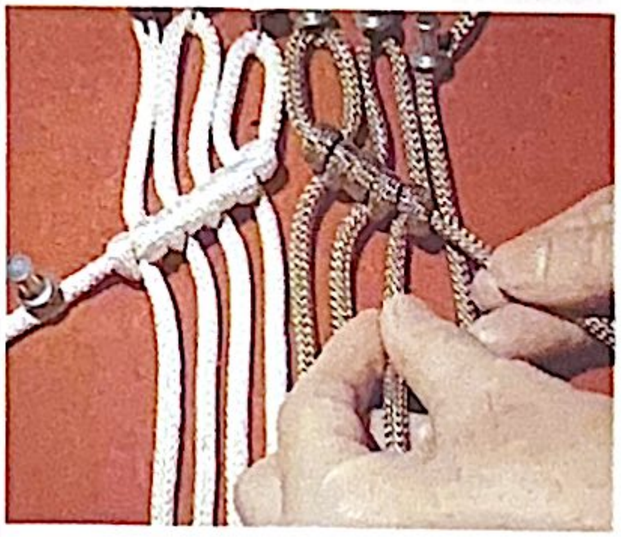
2. Pick up long end of Wrapping Cord and wrap firmly around gathered cords from top to bottom.

3. After wrapping for desired length . . . place long end of Wrapping Cord through the bottom loop as shown in photo 3.

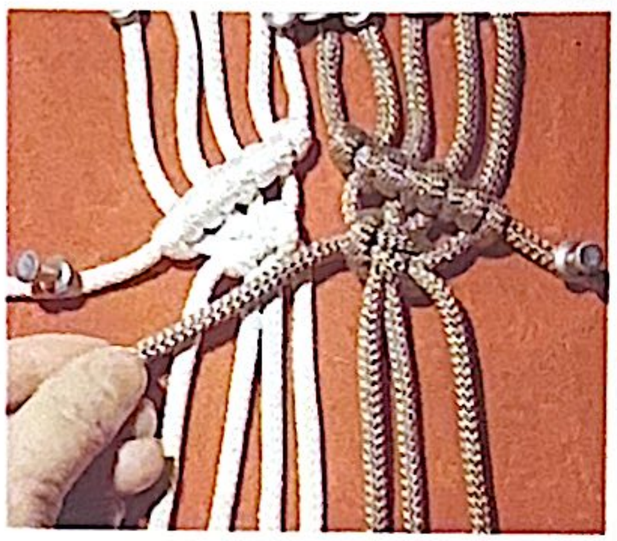


4. Pull short end of Wrapping Cord (extending from top) until bottom loop disappears under wrapped section, then trim ends.

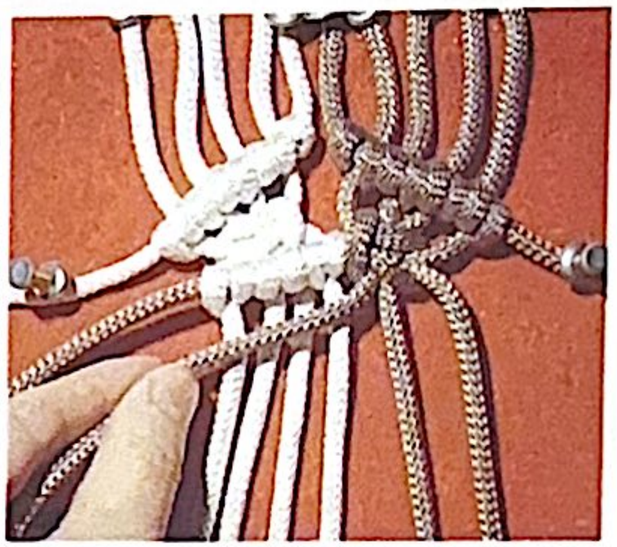
Berry Knot



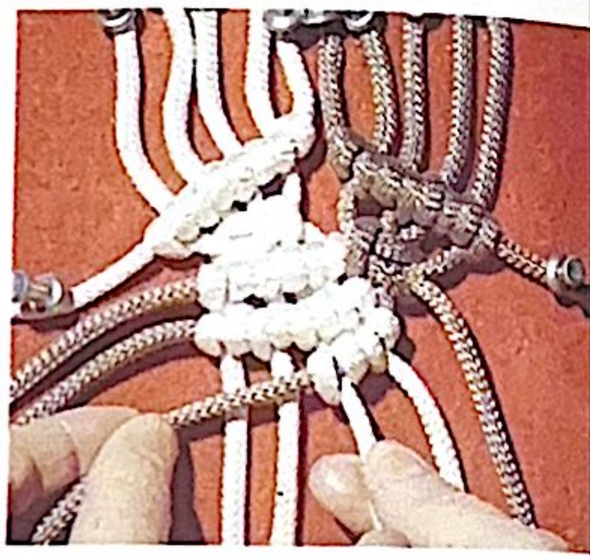
1. Cut 10 cords one yard long and pin them to Knotting Board. Use the 2 center cords as Holding Cords and make Diagonal Double Half Hitch Knots to the center . . . then pin Holding Cords out of way. These cords will not be used again until Step 6.



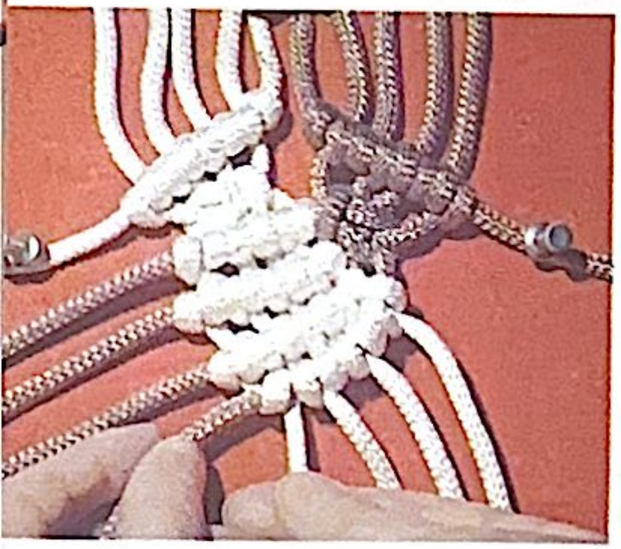
2. You now have 8 knotting ends. Make 2 Square Knots as shown. Place the 1st cord that is hanging under the right hand Square Knot over the 4 cords under the left hand Square Knot.



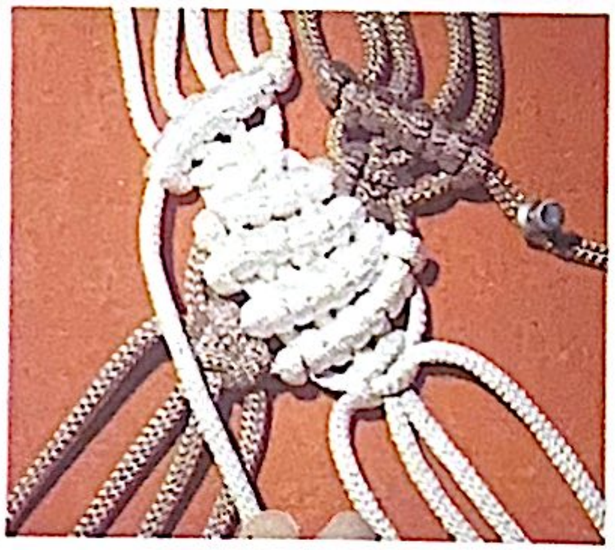
3. Make a row of Double Half Hitch Knots (from the center to the outside) by knotting the 4 cords under the left Square Knot around the Holding Cord. Place the Holding Cord out of the way. Now, place the 3rd cord from the right over the 4 cords on the left as shown.



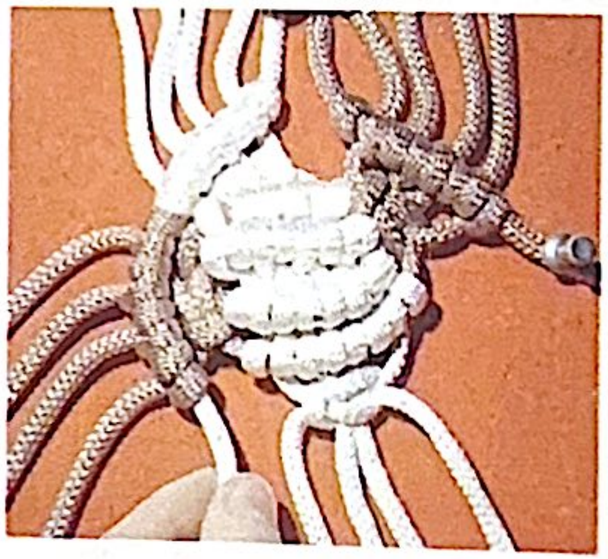
4. The 2nd row of Double Half Hitch Knots were made in the same manner as the 1st. Notice you now have 2 Holding Cords over to the left. Now, use the 2nd cord from the right as a Holding Cord. Place it over the 4 cords on the left and make the 3rd row of Double Half Hitch Knots.



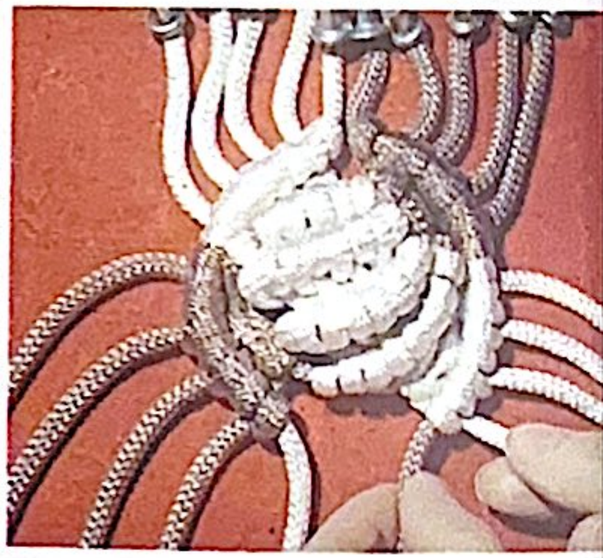
5. Use the last cord on the right as a Holding Cord. Place it over the 4 cords on the left and make the 4th row of Double Half Hitch Knots.



6. Make 2 Square Knots as shown, then remove the pin from the top left Holding Cord. Place it over the 4 cords under left bottom Square Knot.



7. Make Double Half Hitch Knots to the center as shown. Next, remove the pin from the Holding Cord at the top right and place it over the 4 cords coming from the bottom right Square Knot.



8. Make a row of Double Half Hitch Knots to the center as shown. Finish by tying the 2 Holding Cords tightly together with an Overhand Knot. Push the Berry Knot from the under side to form mound.

How To Estimate Length To Cut Cord

This chart was designed to act as a guide when you wish to change a pattern in this book . . . use a different type of cord . . . or create your own Macramé project. It was worked out, using one yard lengths of several popular types and thicknesses of cord. Inasmuch as no two people use the same amount of tension when knotting . . . and cord thickness may differ with different manufacturers . . . we cannot guarantee the figures will be exactly correct in all cases.

EXAMPLE: Let's say that you are using Thick ¼" Jute and your design includes a Half Knot Twist Sennit that is 8 inches long. So, to make a Half Knot Twist Sennit 24 inches long, you will need 3 yards on **each** Knotting Cord.

Next, you must determine which other knots will be included in your project and how much cord they will require. Don't forget to include the length of any unknotted areas when you add the figures together . . . plus a little extra cord just to be safe. It is always easier to cut off any extra length than to add it on later.

IMPORTANT: After you determine how much cord you will need for each Knotting Cord . . . and before cutting, be sure to double the figure. This is done because in most cases, the cords are folded in half and mounted with a Lark's Head Knot to a ring or similar holding device. For example, after folding an 8 yard cord in half and mounting it to a ring with a Lark's Head Knot, you will have two Knotting Ends that are each 4 yards long.

TO SAVE CORD when making either the Square Knot or the Half Knot Twist . . . the 2 Center Cords can be shorter than the Knotting Cords. This is because all of the knotting is done with the Knotting Cords . . . while the Center Cords remain the same length.

	SQUARE KNOT SENNIT (CLOSED)	HALF KNOT TWIST SENNIT	ALTERNATING SQUARE KNOT		VERTICAL HALF HITCH
	1 yard of knotting cord makes . . .	1 yard of knotting cord makes . . .	1 yard of knotting cord makes . . .		1 yard of knotting cord makes . . .
			Open	Closed	
Thick (1/4") Jute Polyolefin Cablecord No. 150 Fluffy (1/4") Polyester	7¼"	8"	15¼"	9½"	5"
Med. Thick (3/16") Jute, (or any 3/16" cord) Cotton Seine No. 72	8"	7½"	15"	11"	4½"
Thin (1/8") Jute, (or any 1/8" cord) Cotton Seine No. 48	8¼"	7½"	15½"	9½"	4¼"

Spiraling Single Half Hitch Sennit (Thick ¼" cord):
1 yd. Knotting Cord around 4 ends makes a 3" Sennit.
1 yd. Knotting Cord around 12 ends makes a 2-1/3" Sennit.
1 yd. Knotting Cord around 30 ends makes 1¼" Sennit.

Lanyard Knot: Each Knotting End must be 5 times the length of the desired Sennit.

HP-452

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